



AGFORWARD PROJECT FINAL REPORT

Grant Agreement number: [613520](#)

Project acronym: [AGFORWARD](#)

Project title: AGroFORestry that Will Advance Rural Development

Funding Scheme: 7th Framework Programme of RTD, 2 – Biotechnologies, Agriculture and Food

Period covered: from 1 January 2014 to 31 December 2017

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28 February 2018

Reference:

Burgess PJ, den Herder M, Dupraz C, Garnett K, Giannitsopoulos M, Graves AR, Hermansen JE, Kanzler M, Liagre F, Mirck J, Moreno G, Mosquera-Losada MR, Palma JHN, Pantera A, Plieninger T (2018). AGFORWARD PROJECT Final Report. Cranfield University: AGFORWARD.

1 Final publishable summary report

1.1 Executive summary

The AGFORWARD project (Grant Agreement N° 613520) had the overall goal to promote agroforestry practices in Europe that will advance sustainable rural development. It had four objectives (described below) which address 1) the **context** and extent of agroforestry in Europe, 2) **identifying, developing and field-testing agroforestry innovations** through participatory networks, 3) **evaluating** innovative designs and practices at field-, farm-, and landscape-scales, and **promoting** agroforestry in Europe through policy development and dissemination. Agroforestry is defined as the practice of deliberately integrating woody vegetation (trees or shrubs) with crop and/or animal systems to benefit from the resulting ecological and economic interactions.

Context: European agroforestry has been estimated to cover 10.6 Mha (using a literature review) and 15.4 Mha using the pan-European LUCAS dataset (i.e. 8.8% of the utilised agricultural area). Livestock agroforestry (15.1 Mha) is, by far, the dominant type of agroforestry. The LUCAS analysis provides a uniform method to compare agroforestry areas between countries and over time.

Identify, develop and field-test agroforestry innovations: 40 stakeholder groups (involving about 820 stakeholders across 13 European countries) developed and field-tested agroforestry innovations which have been reported in 40 “lesson learnt” reports, and in a user-friendly format in 46 “Agroforestry innovation leaflets”. The innovations for agroforestry systems of high nature and cultural value included cheaper methods of tree protection and guidance for establishing legumes in wood pastures. Innovations for agroforestry with timber plantations, olive groves and apple orchards include the use of medicinal plants and reduction of mowing costs. Innovations for integrating trees on arable farms included assessments of yield benefits by providing wind protection. Innovations for livestock farms included using trees to enhance animal welfare, shade protection, and as a source of fodder. Peer-reviewed journal papers and conference presentations on these and other related topics were developed.

Evaluation of agroforestry designs and practices at field- and landscape-scale: a range of publicly available field-scale analysis tools are available on the AGFORWARD website. These include the “CliPick” climate database, and web-applications of the Farm-SAFE and Hi-sAFé model. The results of field- and landscape-scale analysis, written up as peer-reviewed papers, highlight the benefits of agroforestry (relative to agriculture) for biodiversity enhancement and providing regulating ecosystem services, such as for climate and water regulation and purification.

Policy development and dissemination: detailed reviews of existing policy and recommendations for future European agroforestry policy have been produced. The support provided is far wider than the single specified agroforestry measures. The recommendations included the collation of existing measures, and that agroforestry systems should not forfeit Pillar I payments. Opportunities for farm-level and landscape-level measures were also identified. The project results can be found on the project website (www.agforward.eu), a Facebook account (www.facebook.com/AgforwardProject), a Twitter account (https://twitter.com/AGFORWARD_EU), and a quarterly electronic newsletter

(<http://www.agforward.eu/index.php/en/newsletters-1514.html>). The number of national associations in Europe was extended to twelve, and a web-based training resource on agroforestry (<http://train.agforward.eu/language/en/agforall/>) created. AGFORWARD also supported the Third European Agroforestry Conference in Montpellier in 2016 attracting 287 delegates from 26 countries including many farmers. We also initiated another 21 national conferences or conference sessions on agroforestry, made about 240 oral presentations, 61 poster presentations, produced about 50 news articles, and supported about 87 workshop, training or field-visit activities (in addition to the stakeholder groups).

1.2 Summary description of project context and objectives

The European Union has targets to improve the competitiveness of European agriculture and forestry, whilst improving the environment and the quality of rural life. At the same time there is a need to improve resilience to climate change and to enhance biodiversity. During the twentieth century, large productivity advances were made by managing agriculture and forestry as separate practices, but often at a high environmental cost. In order to address landscape-scale issues such as biodiversity and water quality, we argue that farmers and society will benefit from considering land-use as a continuum including both agriculture and trees, and that there are significant opportunities for European farmers and society to benefit from a closer integration of trees with agriculture for a European bio-economy. This continuum of agriculture and trees can be termed “agroforestry”, and is the practice of deliberately integrating woody vegetation (trees or shrubs) with crop and/or animal systems to benefit from the resulting ecological and economic interactions.

The AGFORWARD project (Grant Agreement N° 613520) was co-funded by the European Commission, Directorate General for Research & Innovation, within the 7th Framework Programme of RTD, Theme 2 - Biotechnologies, Agriculture & Food. The overall goal of the project was to promote agroforestry practices in Europe that will advance sustainable rural development, improve competitiveness, and enable social and environmental enhancement.

The project had four objectives which were addressed through ten work packages:

1. To understand the context and extent of agroforestry in Europe (work-package 1);
2. To identify, develop and field-test innovations to improve the benefits and viability of agroforestry systems in Europe. This is being achieved through four participatory networks focused on four sectors described on the next page (work-packages 2 to 5);
3. To evaluate innovative agroforestry designs and practices for locations where agroforestry is currently not practised or is declining and to quantify the opportunities for uptake at a field and farm scale (work-package 6) and at a landscape scale (work-package 7);
4. To promote the wider adoption of appropriate agroforestry systems in Europe through policy development (work-package 8) and dissemination (work-package 9).

There was also a project management activity (work-package 10).

1.3 A description of the main S&T results/foregrounds

This section describes the main science and technology results from each of the research, technology and development work-packages.

1.3.1 Objective 1

The first objective of the AGFORWARD project was to understand the context and extent of agroforestry in Europe, and this was addressed by work-package 1.

Work-package 1: Context

[Deliverable 1.1](#) is a report describing successful agroforestry practices from Mediterranean areas bordering Europe that could be used to encourage agroforestry in Europe. Pagella et al. (2014) summarised four key areas of work. Firstly the report highlighted some of the agroforestry practices in the Mediterranean areas of North Africa and Western Asia such as systems with olives, argan, cork oak and alley cropping with saltbushes (Morocco). The second part used a climate analogue approach to look at potential climates for four existing dehesa sites in Spain. The predicted climate in 2050 and 2080 for some of the dehesa sites was predicted to resemble the current climate in some areas in Morocco. Part three included a participatory case study focused on an altitudinal transect in northern Morocco which showed that the best mechanisms to support increased tree use varied between farmers, and this variability required a certain level of institutional capacity. The last section described the use of the WaNuLCAS model to determine how trees and annual crops adapt to mean annual rainfalls varying between 550 to 1070 mm. The model predicted that the impact of trees on crops depended on the rainfall distribution in any particular season.

One of the objectives in work-package 1 was to advance the mapping and quantification of agroforestry in Europe. [Milestone 1](#) (den Herder et al. 2015) provided a report that made a first attempt to stratify and quantify agroforestry practices within Europe using the categories used in the AGFORWARD project i.e. agroforestry of high nature and cultural value, agroforestry involving high value trees such as olive and fruit trees, and agroforestry involving arable and livestock production. The report was based on a preliminary review of literature and datasets describing agroforestry practices across Europe. Combining the published values suggested an agroforestry area of at least 10.6 million hectares excluding reindeer husbandry. This value was substantially larger than the 3.3 million hectares categorised as “agroforestry” by the CORINE Land Cover classification. It was argued that the difference can be explained by agroforestry also occurring in CORINE classes such as “annual crops associated with permanent crops”, and “agricultural mosaics with significant natural vegetation”.

[Deliverable 1.2](#) (den Herder et al. 2016) is a report describing the current extent and trends of agroforestry use in the EU27 using the LUCAS Land Use and Land Cover data. The Copernicus Land Monitoring Survey (high resolution maps with tree cover density) was also used to estimate tree cover on agricultural land in seven countries (Austria, Switzerland, Estonia, Latvia, Lithuania, Sweden and Norway). Both sets of results were compared with a review of the literature and statistical inventories. Using the LUCAS database the total area under agroforestry in the EU27 was estimated to be 15.4 million ha which was equivalent to 3.6% of the territorial area or 8.8% of the utilised agricultural area. This was a larger estimate than the 10.6 million ha reported in the literature

review. Livestock agroforestry was, by far, the dominant type of agroforestry in Europe accounting for 15.1 million ha. The area of silvoarable systems was estimated to be 358 thousand ha. The above totals include the grazing and intercropping of permanent crops (e.g. fruit trees and olives) (1.05 million ha) comprising 0.85 million ha of grazed systems and 0.22 million ha of intercropped systems. A hot spot analysis revealed that a high abundance of areas under agroforestry can be found in south, central and north-east Portugal, south-west, central and parts of north Spain, south of France, Sardinia, south Italy, central and north-east Greece, central and west Bulgaria, and an area in northern Romania.

LUCAS data were also used to estimate the extent of single trees and green linear elements such as hedgerows. Agroforestry involving single trees covers almost 300 thousand hectares corresponding to around 0.02% of the territorial area in the EU, with extensive areas in France, Spain, the UK, and Italy. Agroforestry involving hedgerows cover about 1.78 million hectares representing around 0.42% of the territorial area in the EU, with large areas in France, the UK, and Italy.

The higher estimate for the agroforestry area using the LUCAS data (15.4 million ha) than the literature review (10.6 million ha) can be partly explained by the inclusion of Bulgaria (+0.87 million ha) and higher estimates for Spain (+1.74 million ha), France (+1.05 million ha), Romania (+0.71 million ha), Italy (+0.44 million ha), the UK (+0.39 million ha), and Sweden (+0.37 million ha); there were lower estimates for Greece (-0.67 million ha) and Portugal (-0.48 million ha). When the LUCAS estimates were compared with national inventories, the LUCAS-based estimate of 5.58 million ha of agroforestry in Spain was within 10% of a national inventory value of 6.14 million ha. However, the LUCAS estimate for Portugal (1.17 million ha) was 22% lower than an estimate based on national inventories. Although there may still be some systematic errors, because the LUCAS data were collected and analysed in a uniform manner, it provides a method to compare agroforestry areas between countries and regions. It can highlight where agroforestry is currently practised and also where there are opportunities for increasing the area of agroforestry. Considering that agroforestry covers about 9% of the utilised agricultural area of the EU, agroforestry deserves a more prominent place on policy agendas.

[Deliverable 1.3](#) is a report (Rois Díaz et al. 2017) describing the environmental and socio-economic framework conditions for agroforestry in Europe. It used two approaches: i) qualitative interviews with 183 farmers and ii) the development of a detailed multi-criteria model based on the responses of 18 participants working with European agroforestry. The report started with brief reviews of the agricultural sector in Europe (Section 2) and current published knowledge on the socio-economic and environmental drivers of agroforestry (Section 3). Section 4 describes the qualitative interviews carried out with 98 farmers practising agroforestry and 85 farmers not practising agroforestry across eight European countries. The approach used grounded theory to establish 'Why is agroforestry accepted or not? The face-to-face or telephone interviewees were centred on eight questions, regarding their understanding of agroforestry, and their perceptions of the positive and negative aspects of agroforestry, which were reported and examined in turn. Section 5 describes the development of an Analytic Network Process (ANP) model based on the responses of 18 participants working with European agroforestry. The participants' understanding of the interactions between the benefits, costs, opportunities and risk of five agroforestry options were examined for a typical farm enterprise scenario for five different European biogeographical regions. Across the five regions

and five management options, in terms of environmental benefits, the strongest relationships occurred in terms of lower inputs of pesticides and/or fertiliser. In terms of economic benefits, the strongest relationships were associated with lower labour costs, production of higher quality crops and timber, or lower business risk due to diversification. For social benefits, the strongest relationship was with increased knowledge and information on agroforestry. In terms of costs, the strongest relationships were with increased labour costs or increased competition between crops, trees, and animals. In terms of opportunities, the strongest relationships were with the availability of subsidies or higher employment. Lastly, in terms of risks, the strongest relationships were with low market opportunities or lack of subsidies. Across the five biogeographical regions, the option of not implementing agroforestry received its lowest ranking in the Mediterranean region, which is also the region where the implementation of agroforestry is currently highest.

Further reading for work-package 1

- den Herder M et al. (2015). Preliminary stratification and quantification of agroforestry in Europe. Milestone Report 1 (22 April 2015). 57 pp <http://www.agforward.eu/index.php/en/preliminary-stratification-and-quantification-of-agroforestry-in-europe.html>
- den Herder et al. (2016). Current extent and trends of agroforestry in the EU27. Deliverable Report 1.2. (15 August 2016). 2nd Edition. 76 pp. <http://www.agforward.eu/index.php/en/current-extent-and-trends-of-agroforestry-in-the-eu27.html>
- Pagella T et al. (2014). Agroforestry from Mediterranean Partner Countries: Report on possible technology transfer from Mediterranean Partner countries to European countries. Deliverable 1.1 (29 Dec 2014) 35 pp. <http://www.agforward.eu/index.php/en/agroforestry-in-north-africa.html>
- Rois Díaz, M. et al. (2017). Environmental and socio-economic framework conditions of agroforestry in different regions in Europe. Deliverable Report 1.3 (10 April 2017). 100 pp. <http://www.agforward.eu/index.php/en/environmental-and-socio-economic-framework-conditions-of-agroforestry-in-different-regions-in-europe.html>

1.3.2 Objective 2

The second objective of the AGFORWARD project was to identify, develop and field-test innovations to improve the benefits and viability of agroforestry systems in Europe. This was achieved through four participatory research and development networks (PDRN) focused on four sectors (Figure 1; Table 1).

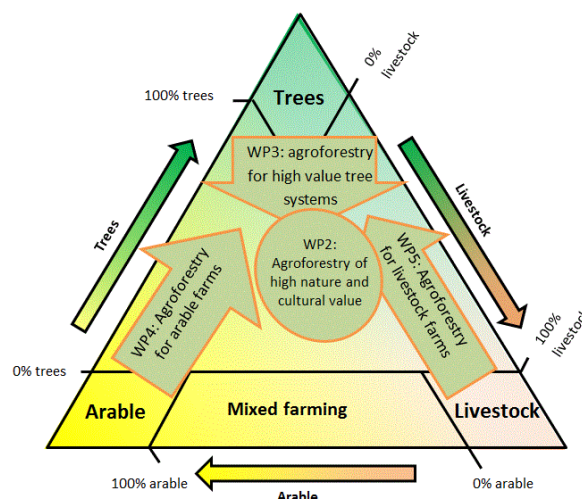


Figure 1. The participatory research and development networks were grouped into four groups on the basis of the original starting point prior to intervention

Table 1. The 40 stakeholder groups were grouped into four participatory research and development networks (PDRN)

PRDN	Bio-region	Country	Stakeholder group
Agroforestry of high nature and cultural value (HNVC)	Mediterranean	Spain	Iberian dehesa
		Portugal	Montado: cork oak silvopastoral systems
		Italy	Grazed oak woodlands in Sardinia
		Greece	Valonia oak silvopastoral systems
	Atlantic	France	Bocage agroforestry
		UK	Wood pasture and parkland
	Continental	Germany	Agroforestry in the Spreewald floodplain
		Romania	Wood pasture
	Pannonian	Hungary	Wood pasture
	Boreal	Sweden	Reindeer husbandry
Agroforestry for high value tree systems	Mediterranean	Spain	Grazing walnut timber plantations
		Italy	Intercropping in olive orchards
		Greece	Intercropping of olive groves, Molos
			Intercropping of olive groves, Kassandreia
			Intercropping of orange groves, Crete
	Atlantic	Spain	Chestnut agroforestry in Galicia,
		France	Bordure trees in South West France
		UK	Grazed orchards in France
			Grazed orchard in England and Wales
			Grazed orchard in Northern Ireland
Agroforestry for arable systems	Mediterranean	Spain	Cereal production beneath walnut
		France	Mediterranean silvoarable systems
		Italy	Trees for timber with arable crops
		Greece	Silvoarable systems in Greece
	Atlantic	Spain	Silvoarable systems in Galicia
		France	Silvoarable systems for Western France
		UK	Silvoarable systems for Northern France
			Silvoarable agroforestry in UK 1
			Silvoarable agroforestry in UK 2
	Continental	Germany	Alley cropping systems in Germany
		Swit'land	Silvoarable systems in Switzerland
	Pannonian	Hungary	Alley cropping in Hungary
Agroforestry for Livestock	Mediterranean	Italy	Pigs and poplars
	Atlantic	Spain	Agroforestry with pigs in Galicia
		Denmark	Free-range pigs with energy crops
		Netherlands	Poultry and fruit trees
		UK	Silvopoultry systems
			Agroforestry for ruminants
		France	Agroforestry for ruminants
		Netherlands	Fodder for cattle and goats

The philosophy behind having four PDRNs was that drivers for agroforestry vary according to the existing farming system. Thus, there are existing systems already recognised for their high nature and cultural value such as dehesas, montados, other forms of wood pasture, and hedgerow systems

(WP2), where any substantial change could result in a reduction in the quality of the landscape and its benefits. Then there are growers with high value tree systems who could benefit from intercropping and grazing (WP3). Finally, there are arable farmers (WP4) and livestock farmers (WP5) who could benefit from integrating trees in their systems. Forty stakeholder groups were established and grouped into the four PDRNs.

Work-package 2: High nature and cultural value agroforestry

The first stage was for the ten stakeholder groups to identify the key opportunities, constraints and potential innovations in their systems. In [Milestone 2.2](#), Moreno et al. (2015a) found that the key areas for research were: 1) to improve understanding of the effect of the tree canopies on pasture production and carbon storage, and; 2) to undertake a number of experiments and field trials within six headings: i) the design, management and governance of hedgerow systems in France, ii) tree regeneration through the use of seeding and the use of dead branch and wood mulches, iii) livestock management through the use of GPS collars and “invisible fencing” in the UK and Sweden, iv) the selection of legume pastures and winter forages in Spain and Italy, v) new products and consumer acceptance in Spain, Portugal, and Greece, vi) the choice of livestock species and breed to support conservation in Romania and Hungary. These research items were taken forward as described in the synthesis of research and development protocols by Moreno et al. (2015b) in [Milestone 4](#).

In [Deliverable 2.4](#), Moreno et al. (2016) provide a synthesis of the system descriptions of the components, structure, ecosystem services, and economic value of the agroforestry systems of high nature and cultural value. A synthesis of the reports is provided by Moreno et al (2016). An initial report on the evaluations was provided in [Milestone 5](#) (Moreno et al. 2017) and a full synthesis of the lessons learnt was provided in [Deliverable 2.5](#) by Moreno et al. (2018a). They are considered in terms of the implications for system design and management, tree regeneration, livestock management, fodder resources, new products, and conservation.

[Deliverable 2.6](#) (Moreno et al. 2018b) summarises and presents 15 “Agroforestry Innovation” leaflets that comprise two pages each and provides a quick description of the innovation in a user-friendly format. The innovation leaflets are also available on the individual web-pages for each stakeholder group and on the Resources page of the AGFORWARD website. The innovations include methods to increase fodder quality and yields in the grazing systems. Others describe the adaption of grazing schemes and GPS-based technologies to improve livestock management. There are also leaflets describing low-cost practices to either promote tree regeneration (where there are too few trees) or to reduce tree and shrub cover (if tree cover is too high). One leaflet describes the opportunities to promote products made from Valonia oak acorns. Lastly, some leaflets describe how agroforestry systems can be managed to provide ecosystem services. The dissemination of these innovations is described in [Milestone 7](#) (Moreno et al. 2018c).

Five of the main lessons learnt are outlined below:

Maintenance of old trees and establishment of new trees: many traditional wood pastures systems are either being degraded through the progressive loss of trees or plot abandonment. Research in Romania focused on the importance of protecting large old trees in wood-pastures and highlighted the importance of engaging local communities and securing funds to actively maintain the multiple

values of these systems. Work in Spain highlighted the benefits of using repellents against rodents on seed acorns, pruned branches to protect seedlings, and thorny wire meshes to protect saplings.

Creating marketable products: work in Portugal, Germany and Hungary focused on the need to be pro-active on understory shrub management in order to maintain and rejuvenate encroached wood pastures and hedge-rich agroforestry landscapes. This included the sale of wood biomass as wood fuel and the need for grazing management. Research in Greece demonstrated a strong market for acorn cups for tanning and nuts for flour production derived from wood pastures.

New grazing schemes and GPS-based technologies: work in Spain showed that fast-rotational intensive grazing (very high instantaneous stocking rates and long recovering periods for paddocks), increased productivity and enhanced carbon sequestration, soil quality, biodiversity and natural regeneration of tree cover. In the UK, invisible fencing that operates with cattle collars that produce an audible or electric stimulus when cattle are close to a buried wire allows the control of cattle movement without affecting public access. In Sweden, GPS collars improved the effectiveness of reindeer herd management. Whilst these technologies are currently more expensive than other options, they offer social and management advantages and future price reduction are expected.

Increasing on-farm fodder production: making better use of on-farm resources can help reduce costs. In Spain and Italy, sowing self-seeding legume-rich mixes increased pasture quality and productivity without compromising the biodiversity of plant community. In Spain, the cultivation of triticale in wood pasture proved successful as a double-use fodder crop. Modelling work completed in Portugal demonstrated that intermediate levels of tree cover in Mediterranean wood pastures extended the number of days over which the system could support a given population of livestock.

Reinforcing the provision of ecosystem services: whilst there are opportunities to increase the marketable outputs, it remains important to emphasize that wood pasture and hedgerow systems are critical for the structure and ecological function, biodiversity, and soil health of large landscape areas. In many cases, the systems also support the conservation of traditional breeds of livestock.

Further reading for work-package 2

Moreno G et al. (2015a). Innovations to be examined for high nature and cultural value agroforestry. Milestone 2.2. 20 January 2015. 20 pp. <http://www.agforward.eu/index.php/en/innovations-to-be-examined-for-high-nature-and-cultural-value-agroforestry.html>

Moreno G et al. (2015b). Synthesis of the Research and Development protocols related to High Nature and Cultural Value Agroforestry. Milestone Report 4. 16 October 2015. 22 pp. <http://www.agforward.eu/index.php/en/synthesis-of-the-research-and-development-protocols-related-to-high-nature-and-cultural-value-agroforestry.html>

Moreno G et al. (2016). Agroforestry of high nature and cultural value: synthesis of system descriptions. Deliverable 2.4. 28 June 2016. 23 pp. <http://www.agforward.eu/index.php/en/describing-high-nature-and-cultural-value-agroforestry-systems-a-summary.html>

Moreno G et al. (2017). Initial report on studied innovations for agroforestry of high nature and cultural value. Milestone Report 5. 7 November 2017. 45 pp. <http://www.agforward.eu/index.php/en/initial-report-on-studied-innovations-for-agroforestry-of-high-nature-and-cultural-value.html>

Moreno G et al. (2018). Agroforestry of high nature and cultural value: Results of innovations.

Deliverable 2.5. 12 January 2018. 15 pp. <http://www.agforward.eu/index.php/en/agroforestry-of-high-nature-and-cultural-value-results-of-innovations.html>

Moreno G et al. (2018b). Agroforestry of high nature and cultural value: Guidelines for farmers.

Deliverable 2.6. 7 January 2018. 37 pp. <http://www.agforward.eu/index.php/en/agroforestry-of-high-nature-and-cultural-value-guidelines-for-farmers.html>

Moreno, G et al. (2018c). Agroforestry of high nature and cultural value: dissemination of results and recommendations. Milestone 7.. 4 February 2018. 26 pp.

<http://www.agforward.eu/index.php/en/agroforestry-of-high-nature-and-cultural-value-results-of-innovations.html>

Work-package 3: Agroforestry for high value tree systems

Work-package 3 focused on agroforestry for high value tree systems such as high value walnut and chestnut trees, olive and citrus groves, and apple orchards. As explained in [Milestone 9](#) by Pantera et al. (2015), 10 stakeholder groups were established during 2014 and each established a research and development protocol. Pantera et al. (2016) in [Deliverable 3.7](#) provides a description of the selected agroforestry systems. The first group in Spain focused on the use of legumes and grazing within walnut and wild cherry plantations. The second Spanish group focused on mushroom production within a chestnut system and the use of grafted plants of selected varieties of chestnut. Three of the systems comprised the intercropping or grazing of olive groves. There was one group in Italy, two groups based in Molos in Central Greece and in Chalkidiki in Northern Greece, and a group focused on intercropping between oranges in Crete. Three of the systems comprised the grazing of apple orchards with a replicated field experiment in Northern Ireland, and field demonstrations and economic assessments in Normandie in France and in Herefordshire in England. The last group focused on the management and use of pollarded trees in the Pyrenees in South-West France.

A report ([Milestone 11](#)) by Pantera et al. (2017) described the initial results from the work of the ten stakeholder groups. Measurements within a walnut plantation being grown for timber in Spain demonstrated that tree diameter increments can be greater in grazed, than ungrazed, plots, and greater with a legume than an unfertiliser grassland understorey. Intercropping orange trees with chickpeas, also in Greece, appears to provide benefits for orange production. Lastly the grazing of apple orchards was considered a sustainable system where the tree trunks were pruned to a height of at least 1-2 m. [Deliverable 3.8](#) (Pantera et al. 2018a) provides a synthesis of the lessons learnt across the ten stakeholder groups and [Deliverable 3.9](#) (Pantera et al. 2018b) summarises and presents eleven “Agroforestry Innovation” leaflets that provide two page guidelines on each innovation. The relevant innovation leaflets are also available on the individual web-pages for each stakeholder group. The main results are summarised against six headings:

Sowing legume intercrops and grazing rather than cultivation of high value timber systems. It was often common practice to cultivate between the trees in high value timber plantations in Spain. Intercropping with a legume forage can reduce cultivation costs; although this reduced soil water content there was no measureable negative effect on the trees. Intercropping with a legume was shown to increase the level of soil nitrogen and potassium and decrease the level of phosphorus in the soil and in tree leaves. Whilst unmanaged pasture resulted in an annual yield of 3 Mg ha⁻¹ y⁻¹ and could support around 0.6 LU ha⁻¹ y⁻¹, sowing rich-legume pasture in the alleys could roughly double the stocking rate without compromise the tree growth. Overall silvopastoral management was

shown to be compatible with high quality timber production and sowing legume-rich forages did not reduce tree growth relative to the control unfertilized trees.

Thinning and pollarding: the research in Spain demonstrated a slight positive effect of thinning on walnut tree growth. Pollarding in Spain had neither positive nor negative effects on tree growth, but the incidence of cavitation was reduced. The stakeholder group in France sought ways of estimating and maximizing the cost-effective production of firewood from pollarded ash trees. The results demonstrated that the biomass of the crown was closely related to the circumference of the trunk, and that pollarding could stimulate trunk diameter growth and branch wood production.

Introducing pigs to chestnut woodlands: there are substantial areas of chestnuts in the Galicia region of Spain. The research demonstrated that these stands could be grazed, but the trees needed to be adequately protected and pro-active management was needed. Successful agroforestry systems provided additional revenue for the farmer, preserved biodiversity and increased nutrient cycling.

Development of new grafting techniques: the research in Spain demonstrated that micro-grafting techniques provided a quicker way of multiplying the stock of specific chestnut clones than conventional propagation.

Understorey crops for olive and orange groves: the research in Italy demonstrated that wild asparagus (*Asparagus acutifolius*) could be successfully grown as an understorey crop in olive groves. Although yields were lower beneath the olive trees than in an open field, the proportion of edible tender part of the spear increases and the overall revenue from the grove is increased. Narcissus and tulips were identified as two alternative understorey crops. In Greece, sowing nitrogen-fixing chickpeas or a mixture of barley with common vetch beneath olives was shown to reduce fertiliser requirement and provided an additional source of revenue. During parts of an orange tree rotation when the tree canopy was small (perhaps because of the grafting of new scions), sowing chickpeas reduced fertiliser requirements and enhanced soil health.

Grazing of apple orchards: such systems can be successful if due consideration is given to four points. Firstly, there is a need to consider the apple tree structure (as sheep are likely to damage the canopy of young bush orchards where the canopy starts below 1.2 m). Secondly, orchard systems with zero or minimal levels of spray are likely to be more suitable for grazing because a high level of spraying requires greater movement of the sheep. Thirdly, the behaviour of sheep breeds can vary substantially. Some lowland breeds are relatively sedentary whereas some upland breeds can behave like goats and are able to get on their two hind legs to reach browse. Lastly, a successful grazed orchard system requires a manager or a management arrangement that pays attention to the health of the apple trees, the daily monitoring of the sheep, and the availability of grass. Where the above requirements are met, farmers can benefit from orchard grazing because of the reduced mowing costs, reduced feed costs for sheep production, and the opportunity to use grassland elsewhere between April and July to produce, for example, a hay crop.

Further reading for work-package 3

- Pantera A et al. (2015). Innovations to be examined for agroforestry for high value tree systems. Milestone 9. 20 January 2015. 14 pp. <http://www.agforward.eu/index.php/en/agroforestry-innovations-to-be-examined-for-high-value-tree-systems.html>
- Pantera A et al. (2016). Agroforestry for high value trees: synthesis of system descriptions. Deliverable 3.7. 27 June 2016. 10 pp. <http://www.agforward.eu/index.php/en/describing-agroforestry-systems-with-high-value-trees-a-summary.html>
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Work-package 4: Agroforestry for arable farmers

Work-package 4 focused on the application of agroforestry in arable systems. Arable agriculture provides large quantities of food, but it can be associated with reductions in soil and water quality, reduced biodiversity, and the release of greenhouse gases. During 2014, as reported in [Milestone 15](#) by Mirck et al. (2014), 12 stakeholder meetings were held across Europe to identify the key opportunities and constraints associated with integrating trees and arable systems. The research and development protocols were presented in [Milestone 16](#) by Mirck and Burgess (2015). During the project, some of the French stakeholder groups were combined and the arable crop selection work below wild cherry in Spain (originally under work-package 3) was moved to work-package 4.

In [Deliverable 4.10](#), Mirck (2016) describes the systems, which all involve alley cropping to allow the use of standard machinery, and had alley widths ranging from 6 m to 96 m. In Southern France, the systems include durum wheat production beneath walnut, poplar and *Sorbus domestica* with a focus on the selection of durum wheat varieties or weed control. In Picardy in Northern France, the focus was also on the weed effects of the tree alleys. In Western France, the focus was on a black walnut intercropping system. In Spain, there was an interest in cereal production beneath walnut and the cultivation of maize or medicinal plants between walnut and wild cherry. Other Southern European systems included field beans and aromatic plants between walnut and cherry in Greece and poplar and oak being grown in along ditches in arable fields in Italy. In central Europe the systems included growing paulownia with alfalfa and maize in Hungary, growing sugar beet with poplar and black locust short rotation coppice in Germany, and the systems in Switzerland had a particular focus on fruit trees. In the UK, the systems involved mixed broadleaf trees with organic vegetables and wheat variety selection between hazel and willow coppice.

An initial report on the research was presented in [Milestone 17](#) by Mirck (2017). [Deliverable 4.11](#) (Kanzler et al. 2018a) summarised the final results of the “lesson-learned” across all but one of the stakeholder groups. [Deliverable 4.12](#) by Kanzler et al. (2018b) summarized the results from 12 agroforestry innovation leaflets. The guidelines for farmers were initially summarized in an internal report ([Milestone 18](#)) and [Milestone 19](#) (Kanzler et al. 2018c) describes the dissemination of the results. Seven groups of key lessons learnt are outlined below.

Range of spacings and time period for arable crop: the width of the arable alleys in the studied systems ranged from 6 m to 96 m. In understanding the interactions between trees, tree rows and arable crops, it was important to know the alley width. It was possible to distinguish between two types of alley cropping: i) closely-spaced tree systems where the primary focus may be on the trees and the effects of shade will eventually mean that arable cropping becomes unprofitable and ii) wide-spaced systems which will allowed continued cropping even when the trees were fully matured. In the first type of system (examined in Spain) integrating an arable and tree crop increased revenues during the early stages of the tree rotation.

Continuation of mechanised agriculture: the studied agroforestry systems for arable farmers were all relatively new with most trees being planted within the last 20 years in relatively straight lines to enable continued use of standard arable machinery to plant, manage and harvest the arable crops.

Selection of tree species: Unlike the investigation of the SAFE Project (2001-2005) which focused on timber trees, a number of the systems included apple trees or short rotation coppice, which can generate earlier sources of revenue.

Complementary tree-crop combinations: some crop – tree combinations are more complementary than others. Early-maturing barley gave higher yields than wheat beneath walnut in Mediterranean Spain. Medicinal plants proved to be a promising understory crop with higher concentrations of active ingredients under shade conditions. There was also evidence that some durum wheat, wheat, and barely cultivars were more suited to being grown in proximity with trees than other cultivars.

Positive effects of shelter or shade on crop yields: it can be difficult to design experiments that allow the correct statistical testing of a positive effect of the trees on arable yields, relative to an open control area. There was some evidence that the wind protection benefits of trees in eastern Germany and Hungary provided crop yield benefits relative to control areas due to the improved microclimate. There was also some evidence that in particularly hot years in Mediterranean Spain, the yield of barley between plantation trees was greater than in a control area. By contrast, reduced arable yields near the tree row were measured in six out of ten experiments.

Tree-row management: research in Hungary indicated that bio-mulches could suppress weed growth in the tree rows.

Wider ecosystem benefits: benefits of improved pest control, pollination, habitat, or wildlife were highlighted in France, the UK and Switzerland. An improvement in landscape aesthetics was implied in Spain, Greece and the UK, which could benefit rural tourism. Reduced soil erosion and/or improved soil structure was suggested in France, Greece and Switzerland. Reduced nitrogen leaching and improved nutrient cycling was indicated in Spain. Increased carbon sequestration was emphasized in Spain, Italy, Greece and the UK. Shelter for crops and soil from extreme weather events induced by climate change were highlighted in Spain, Italy, the UK and Germany.

Further reading for work-package 4

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Work-package 5: Agroforestry for livestock farmers

Work-package 5 focused on the application of agroforestry in livestock systems across three sectors: i) poultry, ii) pigs and iii) ruminants. During 2014, eight stakeholder groups identified the key opportunities, constraints and potential innovations to promote the use of trees in their livestock systems. [Milestone 21](#) (Hermansen et al. 2015) explains that a key area of focus was to reduce the knowledge gap between researchers and practitioners through “best practice guides” and to collate the nutritional value of the components of the shrubs and trees being used in agroforestry systems. A second area of focus was the need for new experimental work and a range of research and development protocols were developed, as reported in [Milestone 22](#) (Hermansen 2015).

In [Deliverable 5.13](#), Hermansen (2016) summarised the systems studied by eight stakeholder groups across Europe. The integration of trees with egg production was studied in the Netherlands and the UK. The combination of trees with pig production was studied in Denmark, Italy, and Spain, and with cattle or dairy production in France, the UK, and the Netherlands.

The initial results from the experimental work was reported in [Milestone 23](#) (Hermansen et al. 2017). The agroforestry innovations related to poultry production focused on the integration of chickens with apple orchards, biomass willows and miscanthus, and the use of improved understorey swards. The innovations related to the integration of trees with pigs focused on tree protection and fodder tree evaluation. Those focused on trees with cattle address tree protection, the spatial organisation of trees, and the use of willow and alder as fodder trees.

[Deliverable 5.14](#) (Hermansen et al. 2018a) summarises the results of the eight “lesson-learned”. In [Deliverable 5.15](#) (Hermansen et al., 2018b) the results of eight agroforestry innovation leaflets are summarised. Across the group, six areas of innovation were identified:

Animal welfare and premium products: the inclusion of trees provided protection from solar radiation, from the wind, and in the case of poultry, a perceived protection from predators. The research in Denmark, Italy, France, and the Netherlands demonstrated that the provision of shade improved animal welfare, for example, supporting thermo-regulation and reducing sun-burn in pigs. This is increasingly recognized, and from 2018, it will be mandatory in Denmark for organic pig producers to provide access to shade, apart from huts, during summer months for the benefit of animal welfare. Tree cover, in particular for hens, trees also provided protection against predators, stimulating the hens to use a larger proportion of the outdoor range and thereby minimize infection risk and hot spots with excessive nutrient load. The stakeholder group in Italy indicated that whilst few consumers were aware of the welfare benefits of agroforestry, there were opportunities for livestock farmers practicing agroforestry to secure a premium price. The woodland egg system in the UK is an example of where the use of agroforestry has become a minimum standard to access some parts of the market.

Tree protection: a common challenge across the systems was the protection of the young trees against damage from the livestock. In Italy, a cage settled around the tree (about 70-80 cm high) made of thin metal wire net seemed to be the most effective method of tree protection from pigs. In France, electric fence, electric fencing tape and metal fences were very efficient in protecting trees from cow damage in grazing periods.

Tree fodder and an on-line database: the research in France, the Netherlands and the UK demonstrated that foliage from trees can be a significant feed resource depending on tree species, in particular in terms of energy, protein and micronutrients for cattle. In particular, white mulberry (*Morus alba*) and common ash (*Fraxinus excelsior*) showed high protein contents. Data on composition and feeding value of tree leaves can be found in an on-line fodder tree database.

System design, ranging of animals, and ground cover: the poultry-focused research in the UK focused on the establishment and maintenance of a healthy productive sward beneath the trees. Establishing a sward under the trees is possible with commercial available seed mixtures, but the challenge is to maintain the sward in the presence of chickens. There was a need to keep the hens away from newly established areas and to optimize chicken pressure over the season. It was also important to select an appropriate level of tree cover, and to manage the range of the hens to minimize their use of newly established areas. The research with pigs in Denmark also demonstrated the importance of the location of the trees, relative to resting and feeding areas, to minimize, for example, nitrate leaching.

Improving the environment: In the Netherlands, France and the UK, the inclusion of trees on livestock farms was shown to increase biodiversity including earthworm numbers. The research in the Netherlands and Spain also demonstrated increases in soil carbon sequestration and protection against soil erosion. The work with poultry in apple orchards indicated that the poultry could diminish the need for chemicals to control pests.

The need for additional skills and addressing trade-offs: the research in the Netherlands demonstrated that the skills to successfully manage poultry can be different from those to manage trees. If a poultry farmer wanted to start profitable tree production, he or she was advised to establish a partnership with a ‘tree professional’. Successful agroforestry systems also needed to address trade-offs, such as balancing the use of contractors versus the need to minimize additional people coming on-site.

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1.3.3 Objective 3

Objective 3 of the project was to evaluate innovative agroforestry designs and practices for locations where agroforestry is currently not practised or is declining and to quantify the opportunities for uptake at a field and farm scale (work-package 6) and at a landscape scale (work-package 7).

Work-package 6: Field- and farm-scale evaluation of innovations

A distinguishing feature of agroforestry practices and systems is that there is a wide range of possible tree, crop and livestock arrangements which cannot be simply addressed by experimentation within the constraints of a four-year project. Hence the adaptation and evaluation of the long-term implications can often be most effectively achieved through the use of models.

Milestone 26 (Palma 2015, Palma 2017) describes the creation and development of an innovative on-line tool call CliPick. It can provide a standardized daily climate data (e.g. maximum and minimum temperature, solar radiation, relative humidity, wind speed and rainfall) for any location in Europe (and parts of North Africa) in a 12 km grid by facilitating access to existing publicly-available climate

datasets used in the International Panel on Climate Change assessment report 5 (IPCC AR5). This innovation has potential use beyond the agroforestry sector.

In [Milestone 29](#), Palma et al. (2016) describe improvements to the daily-time step Yield-SAFE biophysical model of tree and crop growth. These improvements included new routines to model cork and fruit production, the inclusion of the effect of trees on temperature and wind speed, prediction of soil organic carbon turnover, and leaching of nitrate. New improvements in the user interface were made to improve linkage with Farm-SAFE, using a recoded Python version of Yield-SAFE, which also allowed for development of an initial web-version of the Eco-Yield-SAFE model (available at: <http://www.isa.ulisboa.pt/proj/ecoyieldsafe>). [Deliverable 9.27](#) (Graves et al. 2017) describes the development of the Farm-SAFE bio-economic model to compare the profitability and economic impact of arable, forestry and silvoarable systems at a farm level and to include short rotation coppice and fruit tree systems. The model is openly available on the AGFORWARD website. [Milestone 30](#) by Lecomte et al. (2016) describes the development of Hi-sAFe which is a 3-D mechanistic simulation model representing tree and crop growth, taking into account light, water and nitrogen competition between trees and annual or perennial crops. The Hi-sAFe code is written in JAVA under the CAPSIS modelling platform and uses STICS as the crop model. The Hi-sAFe model has been made available on-line at <https://www1.montpellier.inra.fr/wp-inra/hi-safe/en/>

In [Deliverable 6.16](#), Gosme et al. (2016) report some initial results of using the above models. The Hi-sAFe model was used to determine the optimum orientation of the tree rows in silvoarable systems to maximize crop irradiance during the grain filling phases. North-south tree lines were identified as being preferable at high latitudes (>50°) and east-west tree lines at low latitudes (<40°). For latitudes between 40° and 50°, the tree line orientation was reported to have no significant impact on crop irradiation at key phenological stages such as flowering or grain filling (Dupraz et al, accepted). The Yield-SAFE model was used to estimate the land equivalent ratios of a range of agroforestry systems in Switzerland at tree densities of 40 or 70 trees per hectare. In 12 out of 14 scenarios, integrating trees and crops was predicted to be more productive than growing them in separate forestry and arable systems i.e. a land equivalent ratio higher than 1 (predicted land equivalent ratios ranged from 0.95 to 1.30). In a third paper, the Yield-SAFE model was used to predict land equivalent ratios of simulated eucalyptus-ryegrass agroforestry systems in Portugal between 1 (irrigated system with 52 trees per hectare) and 1.2 (for rainfed-systems with 203 trees per hectare). The Yield-SAFE model was also used to look at the relative carbon storage benefits of encouraging agroforestry on soils with low and high water holding capacity. The results suggested that implementing agroforestry on 10% of the land with high soil water capacity could result in the same amount of carbon storage as using agroforestry on 50% of the land with a low water capacity. This type of analysis is of interest to policy makers who determine the type of financial incentives given to support carbon sequestration.

In [Deliverable 6.17](#), Palma et al. (2017) describe some of the modelling workshops held in Portugal, Greece and the UK to collect data and understand the management dynamics of the modelled systems. The report also explains how the impact of tree, crop and grassland interactions on livestock carrying capacity have been developed in the modified Yield-SAFE model (Oliveira et al, accepted). Additional parameters are also presented for 10 tree species, three types of pasture and five crop species. The report also includes a paper describing how the updated Yield-SAFE model was

used to predict the effect of tree density on food, biomass and bioenergy production in agricultural, agroforestry and forestry systems for the montado in Portugal, cherry tree pastures in Switzerland, silvoarable systems in the UK, and short rotation coppice systems in Germany. Increases in tree density were shown to increase the “extractable” energy in the Swiss, British and German systems; in the Portuguese system it was assumed that the bioenergy stored in the trees would not be harvested (Crous-Duran et al, accepted).

Deliverable 6.18 (García de Jalón et al. 2017b) explains how the Farm-SAFE model has been updated to allow the quantification of environmental externalities. In the UK, whilst the arable system was the most financially profitable land use, it also produced the most negative externalities. Including the economic value of greenhouse gas emissions, carbon sequestration and loss of soil, nitrogen and phosphorus meant that silvoarable agroforestry showed a similar societal benefit as arable cropping and a greater benefit than forestry. The report also describes the development and use of a new model called Forage-SAFE (Garcia de Jalon et al. 2017a) specifically constructed to examine the interactions between trees, the grass understorey, and livestock on the profitability of a wood pasture system. The last part of the report focuses on soil erosion in Brittany in France, which demonstrated that increasing tree cover in treeless areas on pasture, but particularly on arable land, could provide significant economic benefits when externalities are evaluated at a regional level.

Further reading for work-package 6

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- Dupraz C (accepted) Influence of latitude on the light availability for intercrops in an agroforestry alley-cropping system. Agroforestry Systems
- García de Jalón S et al. (2017a). Forage-SAFE model: management and economics of wood pasture systems. Model delivered by the AGFORWARD project (613520).
<http://www.agforward.eu/index.php/en/forage-safe-a-tool-to-assess-the-management-and-economics-of-wood-pasture-systems.html>
- García de Jalón S et al. (2017b). Modelling the economics of agroforestry at field- and farm-scale. Deliverable 6.18. 13 October 2017. 85 pp. <http://www.agforward.eu/index.php/en/modelling-the-economics-of-agroforestry-at-field-and-farm-scale.html>
- Gosme M. et al. (2016). Initial modelled outputs at field scale. Deliverable 6.16. 23 August 2016. 29 pp. <http://www.agforward.eu/index.php/en/initial-modelled-outputs-at-field-scale.html>
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- Oliveira TS et al (accepted). Using a process based model to assess trade-offs between different holm oak densities and livestock carrying capacity, Agroforestry Systems
- Palma JHN (2015) CliPick: project database of pan-European climate data for default model use. Milestone Report 26. 10 October 2015. 22 pp. <http://www.agforward.eu/index.php/en/clipick-project-database-of-pan-european-simulated-climate-data-for-default-model-use.html>
- Palma JHN (2017). CliPick – Climate change web picker. A tool bridging daily climate needs in process based modelling in forestry and agriculture, Forest Systems [S.l.], v. 26, n. 1, p. eRC01, May 2017. ISSN 2171-9845. (<http://revistas.inia.es/index.php/fs/article/view/10251>)
- Palma JHN et al. (2016). Yield-SAFE model improvements. Milestone 29. 5 July 2016. 30 pp. <http://www.agforward.eu/index.php/en/yield-safe-model-improvements.html>
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Lecomte I et al. (2016). Improvement of the Hi-sAFe model. Milestone 30. 21 July 2016. 7 pp.
<http://www.agforward.eu/index.php/en/improvement-of-the-hi-safe-model.html>

Work-package 7: Landscape-scale evaluation of innovative agroforestry

As indicated under work-package 6, the wide range of possible tree, crop and livestock arrangements means that the evaluation of agroforestry system cannot be simply addressed by experimentation within the constraints of a four-year project. Work-package 7 focused on evaluating the effects of agroforestry at a landscape-scale using a range of tools including models.

Deliverable 7.19 (Plieninger et al. 2016) describes three papers that used systematic reviews and meta-analyses to improve our understanding of the extent of European agroforestry and the effects of agroforestry on biodiversity, ecosystem services and farm profitability. Fagerholm et al. (2015) report on a systematic review of 71 scientific papers which describe the effect of agroforestry in Europe on ecosystem services (i.e. the benefits provided to humans by agroforestry ecosystems). There were a large number of reports focused on quantifying the productivity and the regulation of environmental processes by wood pastures; there was less focus on cultural and economic effects. It is suggested that future research could put more emphasis on socio-cultural effects, should include greater stakeholder participation, and should make use of new tools, such as spatially-explicit mapping. Torralba et al (2016) describe a meta-analysis using 53 publications to examine the effects of agroforestry on ecosystem services and biodiversity, relative to conventional agriculture or forestry. The results indicated overall benefits from agroforestry in terms of erosion control, biodiversity, and soil fertility, whereas the effects on agricultural production were mixed. In the last paper, Plieninger et al. (2015) provided a pan-European assessment of wood-pastures in terms of area, their ecological and social value, management issues, and concluded with an examination of the implications for policy.

In **Milestone 33**, Moreno et al. (2017) describe 12 socio-cultural catchments that have been selected to determine the effect of agroforestry on ecosystem services provision at the landscape scale. Within each of the 12 catchments across Europe, “agroforestry”, “agriculture”, and “forestry” landscape test sites of a defined size were selected for detailed mapping and comparison of ecosystem services. This report specifically describes the location of the socio-cultural catchments and the location and land uses of the landscape test sites.

Deliverable 7.20 (Fagerholm et al. 2017) describe six novel studies examining the ecosystem services and profitability of agroforestry practices. Kay et al., (in review) provide a synthesis of different ecosystem service assessment approaches tested in different agroforestry systems identified for WP 7. García de Jalón et al., 2017 assessed the economic impact of trees in wood pastures for farm profitability using a new economic model called Forage-SAFE. Torralba et al., 2017 assess the co-production of ecosystem services in the Spanish dehesas by exploring the relationship between biophysical and sociocultural factors and farm management practices. Fagerholm et al., present a case study in the South-West of Spain in which by using a map-based survey, identifies ecosystem services and their spatial patterns and relationship to land properties. The study also finds linkages between ecosystem service provision and subjective well-being. Hartel et al. (2016) assess farmers’

multiple values of scattered trees (mature and old) from oak wood pastures in a traditional rural region of Romania. Finally, Garrido et al. (2017) perform face-to-face semi-structured interviews (n = 34) to describe stakeholders' appreciation of ecosystem services from dehesa landscapes in Spain.

Deliverable 7.21 (Roces-Días et al. 2017) describes seven papers examining the effect of agroforestry on profitability, biodiversity and ecosystem services at a landscape scale. The studies encompass a wide range of sites and approaches. A version of the report, including the seven papers, has been submitted to the European Commission. However, as of December 2017, only one of the studies has been published as a peer-reviewed scientific paper. The report on this website briefly describes the seven studies and includes a version of the published paper. The plan is that the remaining papers will be added once they have been peer-reviewed and accepted. The paper led by Sonja Kay modelled regulating and provisioning ecosystem services across six landscapes in Portugal, Spain, Switzerland and the UK. Landscapes dominated by agroforestry were predicted to show lower nitrate leaching, soil loss, and higher carbon sequestration and storage, than landscapes not dominated by agroforestry.

Deliverable 7.22 (den Herder et al. 2018) describes four papers examining the potential consequences of a widespread uptake of agroforestry by farmers on the delivery of ecosystem services and farm profitability. The paper led by Sonja Kay provides an indication where agroforestry can mitigate multiple environmental problems and where the implementation of new agroforestry systems would be very beneficial. The two studies led by Michail Giannitsopoulos assessed the financial (farmer perspective) and economic performance (societal perspective) of agroforestry, conventional farming and forestry while also evaluating environmental externalities (carbon sequestration, nitrogen surplus, phosphorous surplus and soil erosion) by monetarizing their costs and benefits. In the three investigated countries (Spain, Switzerland, United Kingdom), agroforestry became more profitable than arable farming when a value was attributed to the environmental externalities. This was due to the greater net benefit in regulating ecosystem services of agroforestry compared to arable farming. At a national scale, the combined net benefit of provisioning and regulating services increased in all three countries by establishing agroforestry or forestry on arable land. The study led by Christos Damianidis evaluated the potential of agroforestry as a measure to reduce forest fire risk in the Mediterranean region. Forest fires are a big risk in Mediterranean countries and catastrophic wild fires present a great threat to societies causing large economic losses and loss of life. Forest fire data from 2008-2017 indicated that agroforestry areas had fewer fire incidents than forests or shrublands providing evidence of the potential of agroforestry to reduce wildfire risk.

Further reading for work-package 7

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Fagerholm N et al. (2015). A systematic map of ecosystem services assessments around European agroforestry. *Ecological Indicators* 62: 47-65 <http://dx.doi.org/10.1016/j.ecolind.2015.11.016>

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<http://dx.doi.org/10.1016/j.landusepol.2016.10.022>
- Hartel et al. (2016). Valuing scattered trees from wood-pastures by farmers in a traditional rural region of Eastern Europe. *Agriculture, Ecosystems & Environment* 236, 304-311.
<http://dx.doi.org/10.1016/j.agee.2016.11.019>
- Kay S, Herzog F, Szerencsits E, Crous-Duran J, García de Jalón S (in review) Landscape-scale modelling of agroforestry ecosystems services: A methodological approach.
- Moreno G et al. (2017). Spatial characterization of sample landscapes. Milestone 33. 4 January 2017. 53 pp. <http://www.agforward.eu/index.php/en/spatial-characterization-of-sample-landscapes.html>
- Plieninger T et al. (2015). Wood-pastures of Europe: Geographic coverage, social-ecological values, conservation management, and policy implications. *Biological Conservation* 190: 70-79.
<http://dx.doi.org/10.1016/j.biocon.2015.05.014>
- Plieninger T et al. (2016). Synthesis of existing European agroforestry performance. Deliverable 7.19. 13 November 2015 (updated 7 July 2016). 87 pp.
<http://www.agforward.eu/index.php/en/synthesis-of-european-agroforestry-performance-in-terms-of-biodiversity-ecosystem-services-and-profitability.html>
- Roces-Días JV et al. (2017). Profitability, biodiversity and ecosystem services of agroforestry at landscape scale. Deliverable 7.21. 31 December 2017. 29 pp.
<http://www.agforward.eu/index.php/en/profitability-biodiversity-and-ecosystem-services-of-agroforestry-at-landscape-scale.html>
- Torralba M et al. (2016). Do European agroforestry systems enhance biodiversity and ecosystem services? A meta-analysis. *Agriculture, Ecosystems and Environment* 230: 150-161.
<http://dx.doi.org/10.1016/j.agee.2016.06.002>
- Torralba M et al. (2018). Exploring the role of farm management in the coproduction of ecosystem services in wood pastures. In Press. *Rangeland Ecology & Management*.
<https://doi.org/10.1016/j.rama.2017.09.001>

1.3.4 Objective 4

Objective 4 of the project was to promote the wider adoption of appropriate agroforestry systems in Europe through policy development (work-package 8) and dissemination (work-package 9). The outputs of work-package 9 are described in the potential impact section.

Work-package 8: Policy

Milestone 36 (Santiago-Freijanes et al. 2016) comprises a series of maps of rural development measures implemented across the EU from 2007 to 2013 which can be potentially be used to

support agroforestry. It forms part of the background study for an analysis of the extent and success of policy measures to promote agroforestry completed in Deliverable 8.23 (Mosquera-Losada et al. 2016). [Deliverable 8.23](#) is a 95 page report which describes the extent and success of previous and current policy measures to promote agroforestry in Europe. In addition to the 15.4 million ha of silvopastoral and silvoarable practices in Europe estimated from the LUCAS (2012) dataset by den Herder et al. (2017), the report highlights an additional 2.7 million hectares of grazed shrubland and 1.8 million hectares of homegardens which are both considered as agroforestry by FAO and ICRAF. The third section describes the main international policy framework for European policy and demonstrates how agroforestry can support the achievement of global and European policies to promote sustainable agriculture and rural development. This includes the role of agroforestry to reduce and counteract greenhouse gas emissions (e.g. climate-smart agriculture) and improve biodiversity.

The Common Agricultural Policy (CAP) in Europe is based on two pillars. Section 4 of the report focuses on agroforestry and the “first pillar” which supports payments to farmers provided they meet Statutory Management Requirements (SMRs) and maintain the land in Good Agricultural and Environmental Condition (GAEC). This can require the maintenance of landscape features such as hedges and isolated trees, and buffer strips along water courses. However Pillar I payments are only made on designated “agricultural” land defined as arable land, grassland, and permanent crops (e.g. fruit trees and short rotation coppice). The report explains how wide hedges or having more than a certain number of trees per hectare can mean that arable land (independent of the level of production) can become ineligible for payments. The eligibility of grassland areas with trees is more flexible as it can take account of locally established practices, but this depends on national or regional implementation of that option. The report argues that the uptake and maintenance of agroforestry practices (and the associated societal benefits) depend on agroforestry remaining eligible for Pillar I payments if grassland and arable lands are considered.

Section 5 of the report focuses on the second pillar of the CAP, which includes measures to support rural development such as agri-environmental payments. The report examines a full range of measures that supported or supports the integration of trees and shrubs with farming in the 2007-2013 and/or the initial activation (December 2015) of the 2014-2020 rural development programmes. This includes measures to support forest farming, silvoarable practices (forest strips and small stands, hedgerows, and isolated trees), and silvopasture practices (silvopastoralism and permanent crops, and mountain pastoralism). In total about 27 measures can potentially support agroforestry (in its broad definition). The section also includes a more detailed review of the specific “agroforestry” measures 222 (2007-2013) and 8.2 (2014-2020) to support the establishment of widely spaced trees on arable land.

[Deliverable 8.24](#), which builds on Deliverable 8.23, is a 21 page report (Mosquera-Losada et al. 2017) which describes how policy can support the uptake of agroforestry in Europe. This report comprises seven sections and makes 15 recommendations. Section 1 explains that the objective is to provide guidance to policy makers in Europe on how modifications to policy can increase the uptake of agroforestry. Section 2 highlights why agroforestry should be supported as it is a sustainable land management option that delivers a large number of the market and non-market goods and services needed to address many high-policy-level societal goals. Section 3 defines agroforestry and the

major types or practices of agroforestry in Europe. It defines agroforestry as *“the deliberate integration of woody vegetation (trees and/or shrubs) as an upper storey on land, with pasture (consumed by animals) or an agricultural crop in the lower storey. The woody species can be evenly or unevenly distributed or occur on the border of plots. The woody species can deliver forestry or agricultural products or other ecosystem services (i.e. provisioning, regulating or cultural).”* The five major types of agroforestry across Europe are: silvopasture; silvoarable; hedgerows, windbreaks and riparian buffer strips; forest farming and homegardens.

Section 4 focuses on cross-compliance and recommends that woody vegetation promotion and preservation linked to landscape features should be simplified with clearly stated objectives. Section 5 describes agroforestry in Pillar I of the Common Agricultural Policy and its relationship with cross-compliance, basic and greening payment. The report provides recommendations on how agroforestry should be supported on: i) arable land, ii) permanent grassland, and with iii) permanent crops. A recommended mechanism to allow farmers to establish, maintain and improve agroforestry practices, whilst retaining full Pillar I payments, is through the use of agroforestry management plans. It is also recommended that a fourth section called “agroforestry” is included as part of the future greening payment as it is one of the most effective ways of mitigating and adapting agriculture to climate change. Section 6 focuses on Pillar II measures related to agroforestry. Building on Deliverable 8.23, it recommends that the 27 measures associated with agroforestry practices should be presented as a single unique measure. It recommends that there should be Pillar II support for agroforestry establishment and management on both: i) agricultural land and ii) forest land. It also recommends the use of other activities or measures to encourage agroforestry through result-based payments at farm- and landscape-levels, through co-operation within the value chain, and the support of agroforestry knowledge at all education levels. A final global conclusion is that one way to advance the above to the wider benefit of Europe is through the development of a European Agroforestry strategy.

Further reading for work-package 8

den Herder M et al. (2017). Current extent and stratification of agroforestry in the European Union. *Agriculture, Ecosystems and Environment* 241: 121–132.

Mosquera-Losada MR et al. (2016). Extent and success of current policy measures to promote agroforestry across Europe. Deliverable 8.23. 8 December 2016. 95 pp.

<http://www.agforward.eu/index.php/en/extent-and-success-of-current-policy-measures-to-promote-agroforestry-across-europe.html>

Mosquera-Losada MR et al. (2017). How can policy support the appropriate development and uptake of agroforestry in Europe? Deliverable 8.24. 7 September 2017. 21 pp.

<http://www.agforward.eu/index.php/en/how-can-policy-support-the-uptake-of-agroforestry-in-europe.html>

Santiago-Freijanes JJ et al. (2016). Maps and indicators of rural development measures potentially related to agroforestry, across the EU (2007-2013). Milestone 36. 14 January 2016. 28 pp.

<http://www.agforward.eu/index.php/en/maps-and-indicators-of-rural-development-measures.html>

1.4 Potential impact

This section describes the potential impact of the project, including the socio-economic impact and the wider societal implications of the project so far. It also describes the main dissemination activities and the exploitation of the results.

1.4.1 The socio-economic impact and wider societal implications of AGFORWARD

The socio-economic impact of the project is discussed in terms of the four objectives of the project.

1. To understand the context and extent of agroforestry. The pan-European LUCAS dataset can be used to provide a uniform systematic assessment of the extent of agroforestry. The analysis highlights that agroforestry is a significant European land use representing 15.4 Mha, and hence it is a valid focus for land use policy. The approach will allow the assessment of changes in land use over time, which in turn can help inform decisions regarding Land Use, Land Use Change and Forest (LULUCF) inventories in relation to climate change.
2. To identify, develop and field-test innovations. The project has established 40 stakeholder groups, which is working with about 820 stakeholders across 13 European countries. These groups are seeking to provide solutions to practical issues. Each group has produced a research protocol and a system description (which is publicly available). This resource provides a European-wide resource for stakeholders interested in establishing their own agroforestry system.
3. To evaluate innovative agroforestry designs and practices. As a result of the project, significant improvements and improved access have been provided for climate datasets and the Yield-SAFE and Hi-SAFE biophysical models of tree-crop interactions. Using these models, with the bio-economic Farm-SAFE model, allows assessment of the financial impact of agroforestry practices relative to conventional agriculture and forestry. The inclusion of environmental benefits allows assessments from a societal perspective. The use of these models can help inform improved decision making. The impact of agroforestry is also being determined at a landscape-scale where it can have a significant impact on ecosystem services such as aesthetics, recreational opportunity, and human well-being. The initial results from Spain highlight the importance of public access in maximising cultural services, and that ecosystem services are generally increased from a mosaic of landscapes.
4. To promote the wider adoption of appropriate agroforestry systems in Europe through policy development and dissemination. The Common Agricultural Policy (including rural development programmes) comprises about 39% of the annual EU budget and its effective use is of socio-economic importance. Agroforestry can offer environmental and animal welfare benefits whilst maintaining food production. A review of 2007-2013 and 2014-2020 CAP highlights that agroforestry is being supported through a wide range of rural development measures. The project is also playing a major role in disseminating best agroforestry practice. AGFORWARD staff have been active in the initiation, by the French government, of a National Plan for the Development of Agroforestry in December 2015. The successful Third European Agroforestry

Conference in May 2016, supported by AGFORWARD, involved 287 delegates from 26 countries, where the speakers on the first day included the French Minister of Agriculture. The event included farmer-focused presentations, and the presentation of European agroforestry to a global audience. Across Europe, there is increasing interest in agroforestry from farmers, policy makers, and advisors, who recognise that integrating trees with farming can be both financially and environmentally beneficial.

1.4.2 Main dissemination activities

The main dissemination activities within the AGFORWARD project took place within Work-package 9. The first dissemination task of the project was to create a dissemination protocol which was established in the initial months of the project. The second task was to disseminate much of the communication around an interactive internet-platform. The third task was to develop literature and guidance for specific user groups, the fourth task was “regular communication” during the project through the use of electronic newsletters, newspaper articles, and briefings from each WP. The fifth task focused on the provision of education tools, and the sixth task was to coordinate regional conferences and workshops, including a European presence at the World Agroforestry Congress in India in 2014 and a final project conference. These tasks are covered in turn.

Task 1: Establishment a dissemination protocol

A dissemination protocol was established in the initial months of the project.

Task 2: Dissemination around the website

A key avenue of communication, which comprises [Deliverable 9.25](#), has been the AGFORWARD website (www.agforward.eu) (Figure 2). The website was created within the first six months of the project in June 2014 and it has continued to evolve during the project. All of the deliverables produced during the project are available on the AGFORWARD website. The main pages of the website have been translated into 12 languages: English, French, Spanish, Greek, Romanian, Hungarian, German, Portuguese, Danish, Dutch, Italian and Polish. More than 40,000 visitors have visited more than 210,000 pages, and one third are returning visitors.



Figure 2. The results of the project are presented at www.agforward.eu

Task 3: Literature and guidance for specific groups

The literature and guidance included details of demonstration agroforestry sites, making available decision-making tools, supporting the creation of national associations, the production of leaflets on agroforestry innovations and best practice, and regional information on agroforestry policies.

Demonstration plots: Deliverable 9.26 is an on-line map showing the location of the stakeholder groups and selected agroforestry demonstration sites across Europe (Figure 3).

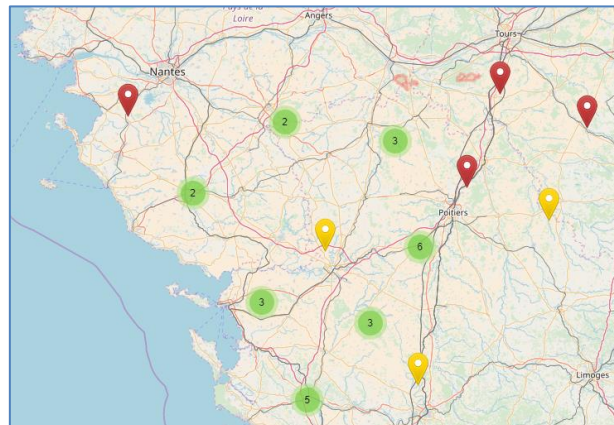


Figure 3. Part of the on-line map created by the project to show the location of selected agroforestry demonstration sites across Europe

Decision making tools: Deliverable 9.27 (Graves et al., 2017) comprised the web-application of the Farm-SAFE bio-economic model for comparing the profitability of agricultural, forestry and agroforestry systems (Figure 4). The Hi-sAFe model has also been made available on-line through a registration process (<https://www1.montpellier.inra.fr/wp-inra/hi-safe/en/>). A new model called Forage-SAFE for examining the profitability of wood-pasture systems has also been made available on-line (García de Jalón et al. (2017)). A new implementation of Yield-SAFE, the Eco-Yield-SAFE model became available online (<http://www.isa.ulisboa.pt/proj/ecoyieldsafe>).

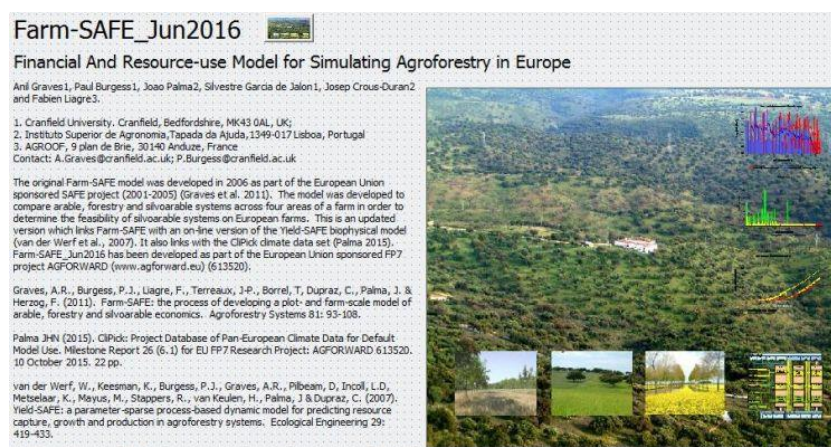


Figure 4. The Farm-SAFE model can be downloaded from the AGFORWARD website. Hi-SAFE can be downloaded from INRA Montpellier website. YieldSAFE is available as MSExcel and a preliminary online version was made available.

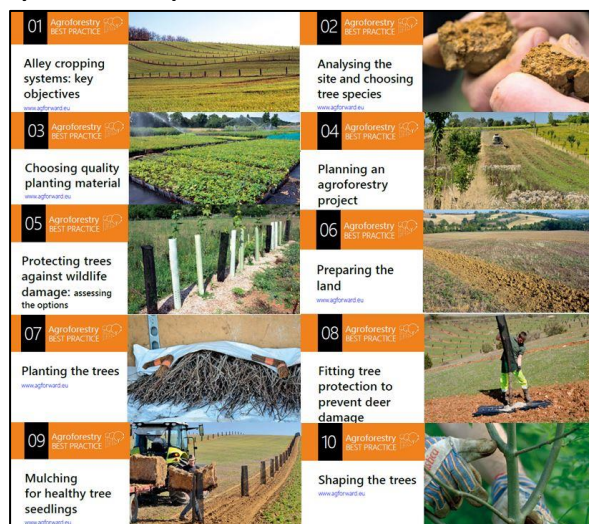
Creation of national associations: [Deliverable 9.28](#), completed in December 2015, was an expansion to twelve national agroforestry associations across Europe (Liagre et al. 2016). A webpage has been created to identify the contact details and the statutes of each association (Figure 5).



Figure 5. AGFORWARD has supported the creation of national agroforestry associations

Booklets: [Deliverable 9.30](#) (Liagre et al. 2018) combines a series of ten “Agroforestry Best Practice” leaflets based on substantial field experience (Figure 6). They were produced by Philippe Van Lerberghe with colleagues from the French Agroforestry Association, the World Agroforestry Centre and the other AGFORWARD partners.

a) Ten best practice leaflets



b) Front cover of folder

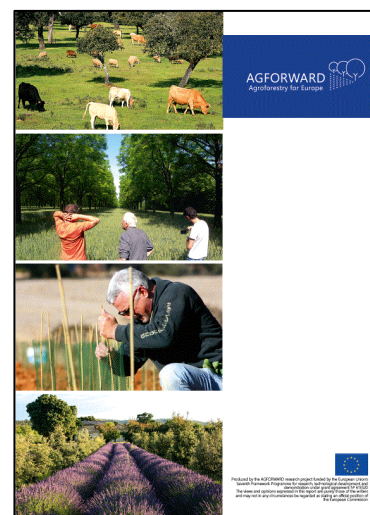


Figure 6. Ten agroforestry best practice leaflets were created (Liagre et al. 2018) which were presented in a folder (Balaguer et al. 2018)

The first leaflet focuses on the importance of thinking through required objectives. Subsequent leaflets cover: the selection of appropriate tree species and planting material; appropriate designs; land preparation; tree planting and protection, and weed control. The last leaflet focuses on the role of pruning to increase the value of wood being grown for timber. The ten innovation leaflets together with the 46 agroforestry innovation leaflets produced from work-packages 2 to 5 were brought together in a folder. In parallel, a web version has been posted on the AGFORWARD website, from where they can be printed.

Task 4: Regulation communication through newsletters and social media

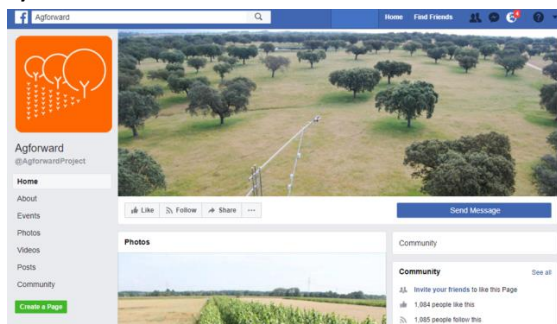
The AGFORWARD project produced a quarterly electronic newsletter (Milestone 9.3) (Figure 7).



Figure 7. Quarterly newsletters were sent to 574 people with an interest in European agroforestry.

Although not specifically mentioned in the Description of Work for the project, the AGFORWARD project has made extensive use of social media to promote the results of the project. A Facebook page was created from the first month of the project (Figure 8a) and has over 1000 followers.

a) Facebook



b) Twitter



Figure 8. The AGFORWARD a) Facebook page (<https://www.facebook.com/AgforwardProject>) and b) Twitter account (@AGFORWARD_EU) has been useful to generate interest in the project and is followed by over 1000 people.

In total 190 items have been posted since the creation of the Facebook page in Oct 2014. A Twitter account was created in October 2014 (Figure 8b), which has produced 580 tweets (to February 2018)

and has over 300 followers. There is also an AGFORWARD YouTube channel: <https://www.youtube.com/channel/UCKMVZuFsp9qSfSHtUm0ubCQ> that has over 300 followers.

Task 5: Educational tools

In June 2016, a training tool-kit (Deliverable 9.29) (Liagre et al. 2016b) was created on a new web-page domain was created (<http://train.agforward.eu/language/en/agforall/>) (Figure 9). The training toolkit comprises 121 documents including videos, pdf, and slideshows. This task was completed in February 2018 with the lessons learnt reports being made available in a PowerPoint format. One of the main features of the site is the translation of all the documents on the stakeholder groups and lesson learnt innovations, into pedagogical slideshows. In addition, 25 videos of interviews undertaken during the European Agroforestry Conference in Montpellier in May 2016 have been added.

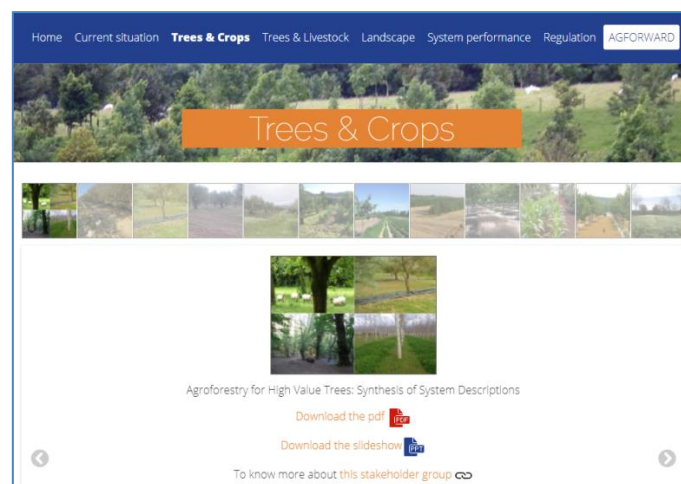


Figure 9. The training resources produced by the project are presented at <http://train.agforward.eu/language/en/agforall/> and include a range of pdfs and slide shows.

Task 6: Regional conferences and workshops

The sixth area of dissemination activity was the co-ordination of regional conferences and workshops. The AGFORWARD project has supported two European Agroforestry Conferences (Figure 10). The Second European Agroforestry Conference was held in Cottbus in 2014 and coincided with the first AGFORWARD General Assembly. The Conference led to the production of a book of proceedings extending to 278 pages (Palma et al. 2014). The Third European Agroforestry Conference was held in Montpellier in 2016 and coincided with the third AGFORWARD General Assembly. The book of Abstracts by Gosme et al (2016) extends to 466 pages and is available on the EURAF website.

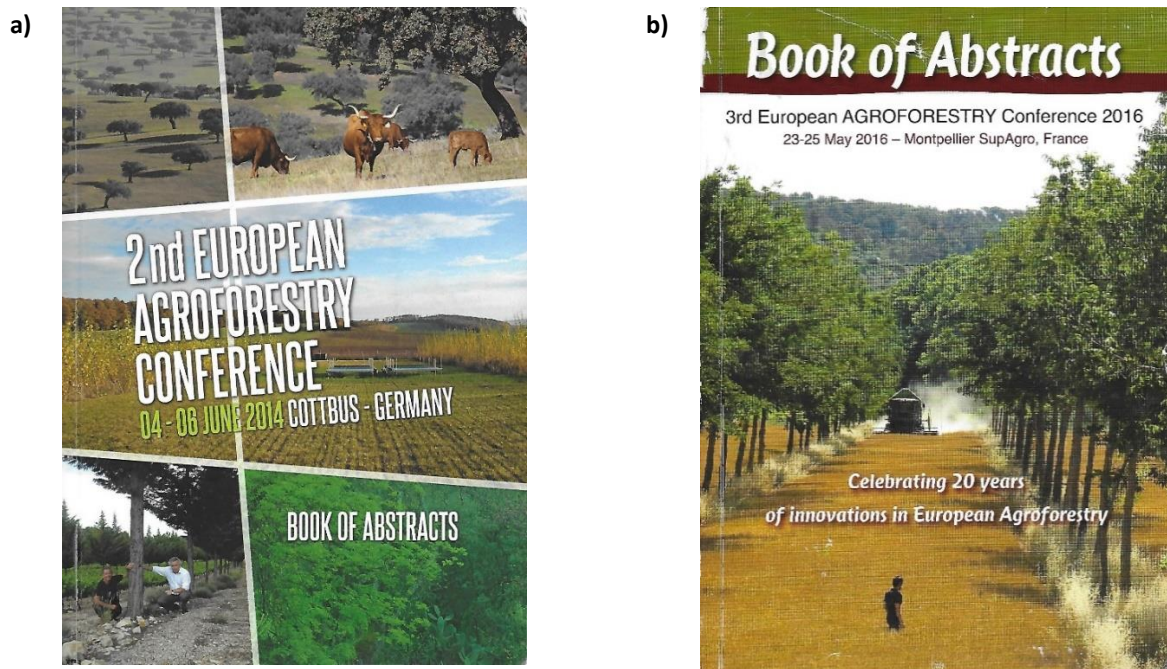


Figure 10. The AGFORWARD project supported a) the 2nd European Agroforestry Conference was held in Cottbus in 2014 and b) the 3rd European Agroforestry Conference was held in Montpellier in 2016. Both conferences led to published Proceedings, 4,100 and 1,800 downloads respectively to date (stats available at <http://hdl.handle.net/10400.5/6764> and <http://hdl.handle.net/10400.5/11690> respectively)

A final conference ([Deliverable 9.31](#)) was held in the European Parliament to discuss how to mainstream agroforestry in practice and through policy initiatives. The meeting entitled “1 + 1 = 3” was hosted by Paul Brannen MEP and examined how agroforestry can boost the revenues and resilience of Europe’s farmers (Figure 11). Paul Burgess, Co-ordinator of the AGFORWARD project, explained that agroforestry is an important European land use equivalent to almost 9% of the agricultural area. Agroforestry is dominated by silvopastoral systems (combining trees and shrubs with livestock) such as the dehesa and montado and wood pastures, but there were also distinct benefits from using more trees on arable farms. Paul explained that field research and farmer perceptions demonstrated that integrating trees with farming provides synergistic benefits including increased land use efficiency and income diversification, improved animal welfare, and increased biodiversity, soil conservation and carbon sequestration. He argued that these societal benefits warrant policies to encourage agroforestry, a reduction in the current administrative burdens, and there would be a net benefit if society compensated farmers for some of the additional on-farm labour and management costs. Fabien Balaguer described how agroforestry was being implemented in practice across a range of farm types in Southern France, with a particular focus on improving water and carbon management at catchment and landscape scales. Rosa Mosquera-Losada described how changes in policy within Europe could encourage the wider uptake of agroforestry. These include recognition of the wide range of agroforestry types (silvopastoral; silvoarable; hedgerow, windbreak and riparian buffer strips; forest farming and homegardens). She recommended that well-managed agroforestry on agricultural land should be fully eligible for Pillar I payments in the Common Agriculture Policy and that the wide and diverse range of agroforestry-related measures in Pillar II should be brought together.



Figure 11. A final meeting was held in the European Parliament on 27 November 2017 which included the launch of the folder of agroforestry innovation and best practice leaflets

After the presentations, an invited panel examined ways to mainstream agroforestry in Europe. The panel comprised Olivier De Schutter (Co-chair of the International Panel of Experts on Sustainable Food Systems), Valentin Opfermann (Policy Advisor on Agricultural and Environmental Research and Environmental Issues at COPA-COGECA), Patrick Worms (Senior Science Policy Adviser at the World Agroforestry Centre) and Frédéric Morand (Farmer and founder of Vert d'Iris International). There was a wide-ranging discussion and the responses to questions covered how current taxation systems (that often places high taxes on labour use) can penalise farm practices, such as agroforestry, where labour costs are often high. The panel also highlighted the very important role that agroforestry in Europe can and should play in terms of conserving soil and sequestering carbon. They recommended that agroforestry could and should play a role in enabling the Common Agricultural Policy to meet its environmental and economic objectives.

Further reading for dissemination activity

García de Jalón S et al. (2017). Forage-SAFE model: management and economics of wood pasture systems.. <http://www.agforward.eu/index.php/en/forage-safe-a-tool-to-assess-the-management-and-economics-of-wood-pasture-systems.html>

Gosme M et al. (Eds) (2016), 3rd European Agroforestry Conference Book of Abstracts. Montpellier, France 23-25 May 2016. ISBN: 978-2-87614-717-1, EAN: 9782876147171.
<http://hdl.handle.net/10400.5/11690>

Graves A et al. (2017). Web-application of the Yield-SAFE and Farm-SAFE Model: Farm-SAFE_March17. Deliverable 9.27(9.3). March 2017.
<http://www.agforward.eu/index.php/en/web-application-of-yield-safe-and-farm-safe-models.html>

Liagre F et al. (2016a). Expansion to 12 national agroforestry associations across Europe. Deliverable 9.28. 20 December 2015. 4 pp. <http://www.agforward.eu/index.php/en/associations.html>

Liagre F et al. (2016b). Training toolkit for farmers, technicians and students. Deliverable 9.29. 30 June 2016. 5 pp. <http://train.agforward.eu/language/en/agforall/>

Palma JHN et al. (2014). 2nd European Agroforestry Conference 04-06 June 2014 Cottbus-Germany Book of Abstracts. ISBN 978-972-97874-4-7. <http://hdl.handle.net/10400.5/6764>

Liagre F et al. (2018). Agroforestry folder for farmers and advisors. Deliverable 9.30. 26 January 2018. 45 pp. <http://www.agforward.eu/index.php/en/best-practices-leaflets.html>

1.5 Address of the AGFORWARD website

All of the results of the AGFORWARD project are available on the AGFORWARD website: www.agforward.eu (Figure 2). The website also includes a specific section dedicated to training at <http://train.agforward.eu/language/en/agforall/> (**Error! Reference source not found.**). The plan is that the website will be maintained for the next ten years with the support of the AGROOF and Cranfield teams.

2 Use and dissemination of foreground

This section provides a plan for use and dissemination of foreground (including socio-economic impact and target groups for the results of the research) shall be established at the end of the project. It should, where appropriate, be an update of the initial plan in Annex I for use and dissemination of foreground and be consistent with the report on societal implications on the use and dissemination of foreground (section 4.3 – H).

2.1 Section A

This section should describe the dissemination measures, including any scientific publications relating to foreground. **Its content will be made available in the public domain** thus demonstrating the added-value and positive impact of the project on the European Union.

③ Section B

This section should specify the exploitable foreground and provide the plans for exploitation. All these data can be public or confidential; the report must clearly mark non-publishable (confidential) parts that will be treated as such by the Commission. Information under Section B that is not marked as confidential **will be made available in the public domain** thus demonstrating the added-value and positive impact of the project on the European Union.

A1: List of all scientific (peer reviewed) publications relating to the foreground of the project, starting with some important ones, and then in date order

No	Doi ¹	Title	Authors	Title of the periodical	Volume	Publisher	Place of publication	Date of publication	Relevant pages	Open access ²
1	https://doi.org/10.1016/j.agee.2017.03.005	Current extent and stratification of agroforestry in the European Union	den Herder M, Moreno G, Mosquera-Losada RM, Palma JHN, Sidiropoulou A, Santiago Freijanes JJ, Crous-Duran J, Paulo JA, Tomé M, Pantera A, Papanastasis VP, Mantzanas K, Pachana P, Papadopoulos A, Plieninger T, Burgess PJ	Agriculture, Ecosystems & Environment	241	Elsevier	Netherlands	1 April 2017	121-132	No
2	10.1007/s10457-017-0116-3	How is agroforestry perceived in Europe? An assessment of positive and negative aspects among stakeholders	García de Jalón, S., Burgess, P.J., Graves, A., Moreno, G., McAdam, J., Pottier, E., Novak, S., Bondesan, V., Mosquera-Losada, M.R., Crous-Durán, J., Palma, J.H.N., Paulo, J.A., Oliveira, T.S., Cirou, E., Hannachi, Y., Pantera, A., Wartelle, R., Kay, S., Malignier, N., Van Lerberghe, P., Tsonkova, P., Mirck, J., Rois, M., Kongsted, A.G., Thenail, C., Luske, B., Berg, S., Gosme, M., Vityi, A.	Agforestry Systems	On-line	Springer	Netherlands	24 Aug 2017	1-20	Yes
3	10.1007/s10457-017-0132-3	Spatial similarities between European agroforestry systems and ecosystem services at the landscape scale.	Kay, S., Crous-Duran, J., Ferreiro-Domínguez, N., García de Jalón, S., Graves, A., Moreno, G., Mosquera-Losada, M.R., Palma, J.H.N., Rocas-Díaz, J.V., Santiago-Freijanes, J.J., Szerencsits, E., Weibel, R., Herzog, F.	Agforestry Systems		Springer	Netherlands	4 Oct 2017	1-15	Yes
4	10.1016/j.agee.2016.06.002	Do European agroforestry systems enhance biodiversity and ecosystem services? A meta-	Mario Torralba , Nora Fagerholm , Paul J. Burgess , Gerardo Moreno, Tobias Plieninger	Agriculture, Ecosystems and	Vol. 230	Elsevier	Netherlands	1 Aug 2016	150-161	Yes

¹ A permanent identifier should be a persistent link to the published version full text if open access or abstract if article is pay per view) or to the final manuscript accepted for publication (link to article in repository).

² Open Access is defined as free of charge access for anyone via Internet. Please answer "yes" if the open access to the publication is already established and also if the embargo period for open access is not yet over but you intend to establish open access afterwards.

No	DOI	Title	Authors	Environment	Volume	Publisher	Place of publication	Date of publication	Relevant pages	Open access
5	DOI 10.1007/s10457-014-9725-2	Carbon sequestration of modern <i>Quercus suber</i> L. silvoarable agroforestry systems in Portugal: a Yield-SAFE based estimation	J.H.N. Palma, J.A. Paulo, M. Tomé	Agroforestry Systems	Vol. 88	Springer	Netherlands	9 Jul 2014	791-801	Yes
6	10.1007/s11056-014-9462-4	Predicting site index from climate and soil variables for cork oak (<i>Quercus suber</i> L.) stands in Portugal	Joana Amaral Paulo , João H. N. Palma , Alberto Azevedo Gomes , Sónia Pacheco Faías , José Tomé , Margarida Tomé	New Forests	Vol. 46/Issue 2	Springer Netherlands	Netherlands	1 Mar 2015	293-307	Yes
7	10.1371/journal.pone.0126178	Patterns and Drivers of Scattered Tree Loss in Agricultural Landscapes: Orchard Meadows in Germany (1968-2009)	Tobias Plieninger , Christian Levers , Martin Mantel , Augusta Costa , Harald Schaich , Tobias Kuemmerle	PLoS One	Vol. 10/Issue 5	Public Library of Science	United States	1 May 2015	e0126178	Yes
8	10.1007/s00267-015-0496-y	Land Change in Eastern Mediterranean Wood-Pasture Landscapes: The Case of Deciduous Oak Woodlands in Lesvos (Greece)	Harald Schaich , Thanasis Kizos , Stefan Schneider , Tobias Plieninger	Environmental Management	Vol. 56/Issue 1	Springer New York	United States	1 Jul 2015	110-126	Yes
9	10.1016/j.biocon.2015.05.014	Wood-pastures of Europe: Geographic coverage, social–ecological values, conservation management, and policy implications	Tobias Plieninger , Tibor Hartel , Berta Martín-López , Guy Beaufoy , Erwin Bergmeier , Keith Kirby , María Jesús Montero , Gerardo Moreno , Elisa Oteros-Rozas , Jan Van Uytvanck	Biological Conservation	Vol. 190	Elsevier BV	Netherlands	1 Oct 2015	70-79	Yes
10	DOI 10.1007/s10457-015-9861-3	Swiss farmers don't adopt agroforestry because they fear for their reputation	F. Sereke . M. Dobricki . J. Wilkes . A. Kaeser . A. R. Graves . E. Szerencsits . F. Herzog	Agroforest Syst	90	Springer	Netherlands	13 Oct 2015	385–394	Yes
11	10.1007/s10113-015-0818-x	Adaptive management and debarking schedule optimization of <i>Quercus suber</i> L. stands under climate change: case study in Chamusca, Portugal	João H. N. Palma , Joana Amaral Paulo , Sónia Pacheco Faías , Jordi Garcia-Gonzalo , Jose G. Borges , Margarida Tomé	Regional Environmental Change	Vol. 15/Issue 8	Springer Verlag	Germany	1 Dec 2015	1569-1580	Yes
12	10.1016/j.ecolind.2015.11.016	A systematic map of ecosystem services assessments around European agroforestry	Nora Fagerholm , Mario Torralba , Paul J. Burgess , Tobias Plieninger	Ecological Indicators	Vol. 62	Elsevier	Netherlands	1 Mar 2016	47-65	Yes
13	doi.org/10.1016/j.agfor.2016.03.001	Analysis of variables influencing	Joana Amaral Paulo . Helena	Agroforestry	91	Springer	Netherlands	24 Mar	91:221–	Yes

	07/s10457-016-9922-2	tree cork caliper in two consecutive cork extractions using cork growth index modelling	Pereira, .Margarida Tome	Systems				2016	237	
14	10.1007/s13280-015-0758-1	Environmental determinants of the old oaks in wood-pastures from a changing traditional social–ecological system of Romania	Cosmin Ioan Moga , Ciprian Samoilă , Kinga Öllerer , Raluca I. Băncilă , Kinga-Olga Réti , Cristina Craioveanu , Szilárd Poszet , László Rákossy , Tibor Hartel	Ambio	Vol. 45/Issue 4	Allen Press Inc.	United States	1 May 2016	480-489	Yes
15	10.3832/ifor1526-009	Assessing escapes from short rotation plantations of the invasive tree species Robinia pseudoacacia L. in Mediterranean ecosystems: a study in central Italy	Roberto Crosti, Emiliano Agrillo, Lorenzo Ciccarese, , Riccardo Guarino, Pierluigi Paris, and Anna Testi	iForest	Vol. 9	The Italian Society of Silviculture and Forestry (SISEF)	Italy	25 May 2016	822-828	Yes
16	10.3832/ifor1624-008	Estimation of stand crown cover using a generalized crown diameter model: application for the analysis of Portuguese cork oak stands stocking evolution	JA Paulo , SP Faiais , C Ventura-Giroux , M Tomé	IForest	Vol. 9/Issue 3	The Italian Society of Silviculture and Forest Ecology (SISEF)	Italy	1 Jun 2016	437-444	Yes
17	https://doi.org/10.1016/j.landusepol.2016.06.040	A qualitative approach to study social perceptions and public policies in dehesa agroforestry systems	P. Gaspar, M. Escibano, F.J. Mesias	Land Use Policy	58	Elsevier	Netherlands	16 Aug 2016	427–436	Yes
18	10.1016/j.jclepro.2016.05.024	Combining livestock and tree crops to improve sustainability in agriculture: a case study using the Life Cycle Assessment (LCA) approach	Luisa Paolotti , Antonio Boggia , Cesare Castellini , Lucia Rocchi , Adolfo Rosati	Journal of Cleaner Production	Vol. 131	Elsevier Limited	United Kingdom	1 Sept 2016	351-363	Yes
19	10.1016/j.apgeog.2016.06.007	Assessing linkages between ecosystem services, land-use and well-being in an agroforestry landscape using public participation GIS	Nora Fagerholm , Elisa Oteros-Rozas , Christopher M. Raymond , Mario Torralba , Gerardo Moreno , Tobias Plieninger	Applied Geography	Vol. 74	Elsevier BV	Netherlands	1 Sept 2016	30-46	Yes
20	https://doi.org/10.1016/j.landusepol.2016.10.022	Stakeholder perspectives of wood-pasture ecosystem services: A case study from Iberian dehesas.	Pablo Garrido, Marine Elbakidze, Per Angelstam, Tobias Plieninger, Fernando Pulido, Gerardo Moreno	Land Use Policy	60	Elsevier	Netherlands	9 Nov 2016	324–333	Yes

21	10.1016/j.geoderma.2016.07.002	Soil carbon changes after establishing woodland and agroforestry trees in a grazed pasture	M.A. Upson , P.J. Burgess , J.I.L. Morison	Geoderma	Vol. 283	Elsevier	Netherlands	1 Dec 2016	10-20	Yes
22	http://dx.doi.org/10.1016/j.agee.2016.11.019	Valuing scattered trees from wood-pastures by farmers in a traditional rural region of Eastern Europe.	Hartel, T., Réti, K-O, Craioveanu, C.	Agriculture, Ecosystems & Environment	236	Elsevier B.V.	Netherlands	15 Dec 2016	304-311	Yes
23	https://doi.org/10.1016/j.foreco.2016.11.048	How do management techniques affect carbon stock in intensive hardwood plantations?	M.L. López-Díaz, R. Benítez, G. Moreno	Forest Ecology and Management	389:	Elsevier	Netherlands	10 Jan 2017	228–239	Yes
24	https://doi.org/10.5424/fs/2017261-10251	CLiPick – Climate change web picker. A tool bridging daily climate needs in process based modelling in forestry and agriculture http://revistas.inia.es/index.php/fs/article/view/10251	Palma, J. H. N.	Forest Systems	26	INIA	Spain	20 Jan 2017	1	Yes
25	https://doi.org/10.5424/fs/2017261-09931	Using the SUBER model for assessing the impact of cork debarking rotation on equivalent annual annuity in Portuguese stands http://revistas.inia.es/index.php/fs/article/view/9931	Joana A. Paulo and Margarida Tomé	Forest Systems	26	INIA	Spain	28 Feb 2017	e008	Yes
26	DOI: 10.1177/0030727017691173	Farmer perception of benefits, constraints and opportunities for silvoarable systems: Preliminary insights from Bedfordshire, England	AR Graves , PJ Burgess, F Liagre, C Dupraz	Outlook on Agriculture	46(1)	SAGE	United States	1 Mar 2017	74-83	Yes
27	10.1007/s10457-017-0117-2	Presence of avian influenza risk birds in and around poultry free-range areas in relation to range vegetation and openness of surrounding landscape	Bestman M, de Jong W, Wagenaar J-P, Weerts T	Agroforestry Systems		Springer	Netherlands	23 Aug 2017	1-8	Yes
28	https://doi.org/10.1371/journal.pone.018	Sparse trees and shrubs confers a high biodiversity to pastures: Case study on spiders from	Gallé, R., Urák, I., Nikolett, G.-S., Hartel, T.	PLoS ONE	12(9)	Public Library of Science	United States	8 Sept 2017	e0183465	Yes

	3465	Transylvania.								
29	10.1007/s10457-017-0123-4	Integrating belowground carbon dynamics into Yield-SAFE, a parameter sparse agroforestry model.	Palma, J.H.N., Crous-Duran, J., Graves, A.R., Garcia de Jalon, S., Upson, M., Oliveira, T.S., Paulo, J.A., Ferreiro-Domínguez, N., Moreno, G., Burgess, P.J.	Agforestry Systems		Springer	Netherlands	16 Sept 2017	1-11	Yes
30	10.1007/s10457-017-0124-3	Land use change and soil carbon pools: evidence from a long-term silvopastoral experiment.	Fornara, D.A., Olave, R., Burgess, P.J., Delmer, A., Upson, M., McAdam, J.	Agforestry Systems		Springer	Netherlands	23 Sept 2017	1-12	Yes
31	https://doi.org/10.1007/s13595-017-0662-x	Does debarking intensity in the first cork extraction affect future cork thickness?	Joana A. Paulo and Margarida Tomé	Annals of Forest Science	74	INRA and Springer-Verlag	France	27 Sept 2017	66	Yes
32	10.1007/s10457-017-0126-1	Agroforestry systems of high nature and cultural value in Europe: provision of commercial goods and other ecosystem services.	Moreno, G., Aviron, S., Berg, S., Crous-Duran, J., Franca, A., García de Jalón, S., Hartel, T., Mirck, J., Pantera, A., Palma, J.H.N., Paulo, J.A., Re, G.A., Sanna, F., Thenail, C., Varga, A., Viaud, V., Burgess P.J	Agforestry Systems		Springer	Netherlands	30 Sept 2017	1-15	Yes
33	10.1007/s10457-017-0127-0	How local stakeholders perceive agroforestry systems: an Italian perspective.	Camilli, F., Pisanelli, A., Seddaiu, G., Franca, A., Bondesan, V., Rosati, A., Moreno, G.M., Pantera, A., John E. Hermansen, J.E., Burgess, P.J.	Agforestry Systems		Springer	Netherlands	30 Sept 2017	1-14	Yes
34	10.1007/s10457-017-0128-z	Modelling and valuing the environmental impacts of arable, forestry and agroforestry systems: a case study	García de Jalón, S., Graves, A., Palma, J.H.N., Williams, A., Upson, M.A., Burgess, P.J.	Agforestry Systems		Springer	Netherlands	3 Oct 2017	1-15	Yes
35	https://doi.org/10.1016/j.rama.2017.09.001	Exploring the Role of Management in the Coproduction of Ecosystem Services from Spanish Wooded Rangelands.	Torralba, M, Oteros-Rozas, E, Moreno, G, Plieninger, T	Rangeland Ecology & Management		Elsevier	Netherlands	7 Oct 2017		Yes
36	https://doi.org/10.1016/j.rama.2017.09.004	Shrub Encroachment Under the Trees Diversifies the Herb Layer in a Romanian Silvopastoral System	Csaba Tölgyesi, Zoltán Bátori, Róbert Gallé, István Urák, Tibor Hartel	Rangeland Ecology and Management		Elsevier	Netherlands	8 Oct 2017		Yes
37	https://doi.org/10.1007/s1	Farmers' reasoning behind the uptake of agroforestry practices:	Rois-Díaz, M., Lovric, N., Lovric, M. Ferreiro-Domínguez, N.,	Agforestry Systems		Springer	Netherlands	11 Oct 2017		Yes

	0457-017-0139-9	evidence from multiple case-studies across Europe.	Mosquera-Losada, M.R., den Herder, M., Graves, A., Palma, J.H.N., Paulo, J.A., Pisanelli, A., Smith, J., Moreno, G., Garcia de Jalon, S., Varga, A., Pantera, A., Mirck, J., Burgess, P							
38	https://doi.org/10.1007/s10457-017-0142-1	A comparison of the performance of three sward mixtures sown under trees in a silvopoultry system in the UK.	Westaway S, Kling C, Smith JA	Agforestry Systems		Springer	Netherlands	2 Nov 2017	1-10	Yes
39	https://doi.org/10.1016/j.envsci.2017.11.013	Scanning agroforestry-based solutions for climate change mitigation and adaptation in Europe	Hernández-Morcillo M, Burgess P, Mirck J & Plieninger T	Environmental Science & Policy	80	Elsevier	Netherlands	25 Nov 2017	44-52	Yes
40	10.1007/s10457-017-0180-8	Nutritional potential of fodder trees on clay and sandy soils.	Luske, B., van Eekeren, N.	Agforestry Systems		Springer	Netherlands	22 Dec 2017	1-12	Yes
41	10.1007/s10457-017-0181-7	Agroforestry for high value tree systems in Europe	Pantera, A., Burgess, P.J., Mosquera-Losada, R.M., Moreno, G.M., López-Díaz, M.L., Corroyer, N., McAdam, J., Rosati, A., Papadopoulos, A.M., Graves, A., Rigueiro Rodríguez, A., Ferreiro-Domínguez, N., Fernández Lorenzo, J.L., González-Hernández, M.P., Papanastasis, V.P., Mantzanas, K., Van Lerbergerhe, P., Malignier, N.	Agforestry Systems		Springer	Netherlands	6 Jan 2018	1-15	Yes
42	https://doi.org/10.1016/j.ecolmodel.2018.01.017	Forage-SAFE: a model for assessing the impact of tree cover on wood pasture profitability	García de Jalón S, Graves A., Moreno G, Palma J.H.N, Crous-Durán J., Kay S., Burgess P.J.	Ecological Modelling	372	Elsevier	Netherlands	24 Jan 2018	24–32	Yes
43	10.1007/s10457-018-0200-3	Nitrogen distribution as affected by stocking density in a combined production system of energy crops and free range pigs.	Jørgensen U, Thuesen J, Eriksen J, Horsted K, Hermansen JE, Kristensen K, Kongsted AG	Agforestry Systems		Springer	Netherlands	25 Jan 2018	1-13	Yes
44	10.1007/s10457-018-0202-1	Driving forces for agroforestry uptake in Mediterranean Europe: application of the analytic network process.	Lovrić, M., Rois-Díaz, M., den Herder, M., Pisanelli, A., Lovrić, N., Burgess, P.J.	Agforestry Systems		Springer	Netherlands	1 Feb 2018	1-14	Yes

45	https://doi.org/10.1016/j.foeco.2017.12.013	Precision subsurface drip irrigation increases yield while sustaining water use efficiency in Mediterranean poplar bioenergy plantations.	Pierluigi Paris, Giovanni Di Matteo, Massimo Tarchi, Luca Tosi, Luciano Spaccino, Marco Lauteri	Forest Ecology and Management	409	Elsevier	Netherlands	1 Feb 2018	749–756	Yes
46	10.1007/s10457-018-0203-0	Effects of grazing exclusion and environmental conditions on the soil seed bank of a Mediterranean grazed oak pasture.	Franca, A., Re, G.A., Sanna, F.	Agroforestry Systems		Springer	Netherlands	6 Feb 2018	1-11	Yes
47	10.1007/s10457-018-0203-0	Mediterranean cork oak wooded grasslands: synergies and trade-offs between plant diversity, pasture production and soil carbon.	Seddaiu, G., Bagella, S., Pulina, A., Cappai, C., Salis, L., Rossetti, I., Lai, R., Roggero, P.P.	Agroforestry Systems		Springer	Netherlands	6 Feb 2018		Yes
48	https://doi.org/10.1007/s10457-018-0212-z	Understanding agroforestry practices in Europe through landscape features policy promotion.	Santiago-Freijanes, J.J., Rigueiro-Rodríguez, A., Aldrey, J.A., Moreno, G., den Herder, M., Burgess, P.J., Mosquera-Losada (2018). .	Agroforestry Systems		Springer	Netherlands	17 Feb 2018		Yes

A2: List of all dissemination activities (publications, conferences, workshops, web sites/applications, press releases, flyers, articles published in the popular press, videos, media briefings, presentations, exhibitions, thesis, interviews, films, TV clips, posters).

#	Type of activity	Main leader	Title	Date	Place	Type of audience ³	Size of audience	Countries addressed
1 January to 30 December 2014								
Website/social media								
1	Web sites/Applications	AGROOF	Launch of project website www.agforward.eu	24 Mar 2014	International	SC, I, CivS, Pol, M		International
2	Web sites/Applications	ISA	Establish AGFORWARD Facebook site https://www.facebook.com/AgforwardProject	20 Oct 2014	On-line	SC, I, CivS, PM, M	500	International
3	Web sites/Applications	CRAN	Establish AGFORWARD Twitter site https://twitter.com/agforward_eu	24 Oct 2014	On-line	I, CivS, PM, M	1000	International
4	Web sites/Applications	EFI	Launch of project flickr site: https://www.flickr.com/photos/agforward	1 March 2014	International	CivS	1000	Global
5	Web sites/Applications	Veneto	www.agroforestry.it	1 January 2014	Italy	I, CivS, M, PM	1000	Italy
6	Web sites/Applications	LBI	www.agro-forestry.nl	1 January 2014	Netherlands	I, CivS, M, PM	1000	Netherlands, Belgium
7	Web sites/Applications	CRAN	AGFORWARD news item on Cranfield website http://www.cranfield.ac.uk/about/media-centre/news-archive/news-2014/project-to-change-the-face-of-farming.html	23 Jan 2014	UK	I, CivS, M		UK
Conference								
8	Organisation of Conference	EURAF	2nd EURAF conference Germany, Spain, France, UK, Italy, Belgium, The Netherlands, Switzerland, Finland, Denmark, Poland, Hungary, Austria, Portugal, Ireland, Czech Republic, Croatia	4 June 2014	Cottbus, Germany	SC, I, PM	100	Europe
9	Organisation of Conference	EURAF	France National Agroforestry Conference	1 Dec 2014	Paris, France	SC, I, PM	100	France
Media interviews								

³A drop down list allows choosing the type of public: Scientific Community (higher education, Research), Industry, Civil Society, Policy makers, Medias, Other ('multiple choices' is possible).

10	Interviews	CRAN	Agroforestry interview with Paul Burgess on the UK BBC Radio 4 "Farming Today" programme	30 Jan 2014	UK	I, CivS, M	700,000	UK
11	TV clips	TEI	The olive stakeholders meeting, including a description of the project, was broadcasted by the local TV: http://webtv.lamiastar.gr/index.php?view=videos&video_id=1403847423	25 Jun 2014	Greece	CivS		Greece
12	TV clips	TEI	The trees with arable crops stakeholders meeting, with a description of the project, was broadcasted by the local TV and is on-line at: http://www.tovoion.com/news/tovoion-tv-1 (part A), http://www.tovoion.com/news/tovoion-tv-1 (part B), and on https://www.youtube.com/watch?v=pCaSqwQdT5s	11 Jul 2014	Greece	CivS		Greece
Oral presentations								
13	Oral presentation to a scientific event	CRAN	Introducing AGFORWARD a project to advance Agroforestry in Europe (World Agroforestry Congress)	12 Feb 2014	Delhi, India	SC, PM	50	Germany, Spain, France, UK, Italy, Belgium, USA, Australia, India, Chile
14	Oral presentation to a scientific event	CRAN	Using participative stakeholder networks to promote agroforestry in the UK. Presentation at UK Farm Woodland Forum meeting, Dartington College,	14 May 2014	Dartington, UK	SC	35	UK
15	Oral presentation to a scientific event	ORC	Wakelyns Agroforestry: functional biodiversity in an organic silvoarable system	14 May 2014	Dartington, UK	SC	35	UK
16	Oral presentation to a wider public	INRA	Presentation of the collaborative approach of the AGFORWARD project to develop a Participatory Research and Development Network, in the frame of the stakeholders end meeting of "Praiface Casdar project"	7 April 2014	Bressuire, France	SC, I	50	France

17	Oral presentation to a scientific event	ORC	Presentation: Delivering food production, biodiversity and other ecosystem services in UK agriculture: can agroforestry do it all? At: SRUC SEPA conference "Delivering Multiple Benefits from our Land"	15 Apr 2014	Edinburgh University	SC, PM, I	200	UK
18	Oral presentation to a scientific event	ISA	João Palma participated as invited speaker at the XV Week of Agrarian Sciences – Family farming in the XXI century, Bragança, Portugal with the topic Modern Agroforestry- Vision, Opportunities and Challenges	12 May 2014	Bragança, Portugal	SC	50	Portugal
19	Oral presentation to a scientific event	ISA	Projeto pegada de carbono da cortiça: das árvores aos produtos. Seminário A importância da Gestão do Montado para as Aves e para o Ambiente	31 May 2014	Coruche, Portugal	Landowners, Scientific community	20	Portugal
20	Oral presentation to a scientific event	CRAN	The Economics of Woodland Eggs in the UK	5 June 2014	Cottbus, Germany	SC, PM	100	Europe
21	Oral presentation to a scientific event	ISA	Holistic agroforestry system in practice. Just an idea or is there a living model? (European Agroforestry Conference)	4 June 2014	Cottbus, Germany	SC	50	Europe
22	Oral presentation to a scientific event	CNR	The role of Rural Development Policy in supporting agroforestry systems in EU	4 June 2014	Cottbus, Germany	SC, PM, I	50	Europe
23	Oral presentation to a scientific event	AFBI	Introducing AGFORWARD a project to advance Agroforestry in Europe Title Grazing in Orchards – Is it an Option?	26 Jun 2014	Northern Ireland	SC, PM, I	50	Germany, UK, Belgium
24	Oral presentation to a scientific event	USC	Oportunidades y retos de los pastos frente a la nueva PAC en un contexto de cambio climático. Paper download. Key-note speech in 53 Reunión científica de la SEEP. Potes	1 June 2014	Cantabria, Spain	SC, PM	Broad	Spain
25	Oral presentation to a scientific event	ISA	1st Shareshop of the AGFORWARD project (Portuguese AGFORWARD stakeholder meeting)	24 July 2014	Coruche, Portugal	I	20	Portugal
26	Oral presentation to a wider public	INRA	Talk by C. Dupraz and V. Viaud at Agroforestry event at the Marciac festival	1 Aug 2014	Marciac, France	CivS	100	France

27	Oral presentation to a scientific event	USC	Synergies between mitigation and adaptation to Climate Change in grassland-based farming systems Key-note speech in 25th European Grassland Federation EGF	1 October 2014	Aberystwyth, UK	SC, PM	500	Europe
28	Oral presentation to a scientific event	LBI	Introduction of trees on dairy and poultry farms: experiences dairy and poultry farmers' networks in The Netherlands. Oral presentation at IFOAM Organic World Congress	13 Oct 2014	Istanbul, Turkey	SC	40	International
29	Oral presentation to a scientific event	CNR	Agroforestry systems: a modern response to global challenges at AGROCOP conference	16 Oct. 2014	Porano, Italy	SC, PM, I	70	Italy, International
30	Oral presentation to scientific event	CRA	Combining olive growing and animal raising reduces the environmental impact: the olive chicken case. At Convegno nazionale dell'Olivio e dell'olio.	1 Nov 2014	Bari, Italy	SC, PM	200	Italy
31	Oral presentation to scientific event	INRA	Talk by Marie Gosme on "Agroforestry and water management" at the French "Académie d'Agriculture"	5 Nov 2014	Paris, France	SC	100	France
32	Oral presentation to a wider public	INRA	Invited talk by C. Dupraz at the Quivira Coalition Conference, USA	14 Nov 2014	Albuquerque, NM, USA	I, SC, PM	600	Mexico, USA
33	Oral presentation to scientific event	INRA	Invited talk by C. Dupraz at the CIAG national conference (Organised by INRA)	20 Nov 2014	Angers, France	I, CivS, SC	400	France
34	Oral presentation to a scientific event	CNR	Tree farming, Agroforestry and the New Green Revolution. A necessary alliance.	26 Nov 2014	Firenze, Italy	SC, I, PM	100-200	Italy, International
35	Oral presentation to a wider public	ISA	Shareshop of the AGFORWARD project 2nd Portuguese AGFORWARD stakeholder meeting	28 Nov 2014	Vila Real, Portugal	I	20	Portugal
36	Oral presentation to a wider public	INRA	Invited Talk by C. Dupraz, French National Agroforestry day	1 Dec 2014	Paris, France	PM. CivS	200	France
37	Oral presentation to a wider public	INRA	Invited talk by C. Dupraz, Conference on Agroforestry in Belgium	3 Dec 2014	Gembloux, Belgium	SC, I	50	Belgium
Poster presentations								
38	Posters	ISA	YieldSAFE estimation of modern cork oak silvoarable agroforestry contribution to CO2 sequestration in Portugal	10 Feb 2014	New Delhi, India.	SC, PM	2000	International
39	Posters	ISA	Assessment of cork production in new Quercus suber plantations under future climate	10 Feb 2014	New Delhi, India.	SC, PM	2000	International

40	Posters	ISA	SUBER – Tool for dynamic cork oak based agroforestry systems management in Portugal,	10 Feb 2014	New Delhi, India.	SC, PM	2000	International
41	Posters	CRA	Olive, free-range chickens and wild asparagus: an agroforestry system in temperate climate. At World agroforestry congress.	10 Feb 2014	New Delhi, India	SC, PM	1000	International
42	Posters	NYME	Presentation at RENEXPO Central European Renewable Energy Expo)	12 Mar 2014	Budapest, Hungary	SC, I, PM, farmers	150	Central European Countries
43	Posters	INRA	Presentation of the forage system of INRA Lusignan (including pastures newly implemented with forage trees) at the annual congress of the Association for forage production	25 Mar 2014	Paris, France	SC, extension agents, technical institutes	170	France, Belgium, Luxembourg, Netherlands, Switzerland
44	Posters	EFI	Indicators explaining the benefits of agroforestry systems (European Agroforestry Conference).	4 June 2014	Cottbus, Germany	SC, PM	100	Europe
45	Posters	ISA	Innovating tree plantation design: Spiralographing agroforestry. (European Agroforestry Conference).	4 June 2014	Cottbus, Germany	SC	100	Europe
46	Posters	ISA	CliPick–Climate Change Web Picker. Bridging climate and biological modeling (European Agroforestry Conference).	4 June 2014	Cottbus, Germany	SC	100	Europe
47	Posters	ISA	Carbon balance estimation for Agroforestry land use alternatives in Portugal. (European Agroforestry Conference).	4 June 2014	Cottbus, Germany	SC	100	Europe
48	Posters	ISA	Calibration of the parameters of the Yield-SAFE model in silvopastoral systems under Pinus radiata (European Agroforestry Conference).	4 June 2014	Cottbus, Germany	SC	100	Europe
49	Posters	CNR	The role of development policy in supporting agroforestry systems in EU. At Second European AF conference.	4 Jun 2014	Cottbus, Germany	SC, I, PM	100	Europe wide
50	Posters	LBI	Goats choose to eat trees when having free choice	4 June 2014	Cottbus, Germany	SC	100	Europe
51	Posters	LBI	Feeding value of fodder trees	4 June 2014	Cottbus, Germany	SC	100	Europe
52	Posters	NYME	Presentation at European Energy, Environment and Development Conference, Prague	2 Apr 2014	Prague, Czech Republic	Scientific community	ca. 50	International

53	Posters	ISA	Preliminary use of YieldSAFE model to assess Eucalyptus globulus productivity in Portugal under future climate. (XXIV International Union of Forest Research Organisations World Congress)	Oct 2014	Salt Lake City, USA.	SC	About 4000 congress attendees	International
54	Posters	ISA	Forest models dissemination and knowledge transfer on cork oak based ecosystems: bridging the gap between research and practice. (XXIV International Union of Forest Research Organisations World Congress)	Oct 2014	Salt Lake City, USA.	Scientific community	About 4000 congress attendees	International
55	Posters	CNR	Innovation in agroforestry for rural development as emerged from participatory research approach: the Italian case studies in the AGFORWARD project. AT AGROCOP conference	16 Oct 2014	Porano (TR), Italy	SC, PM	50	Europe wide
56	Posters	CRA	Agroforestry systems combining free range poultry and olive orchards reduce the environmental impact of both poultry and olives. At AGROCOP conference.	16 Oct 2014	Porano (TR), Italy	SC, PM	50	Europe wide
57	Posters	CRA	Does the wild asparagus like olive trees? Spatial and temporal distribution of light in olive orchards and wild asparagus (Asparagus acutifolius) photosynthetic properties. At AGROCOP conference.	16 Oct 2014	Porano (TR), Italy	SC, PM	50	Europe wide
58	Posters	CRA	Innovation in agroforestry for rural development as emerged from participatory research approach: the Italian case studies in the AGFORWARD project. At AGROCOP conference.	16 Oct 2014	Porano (TR), Italy	SC, PM	50	Europe wide
59	Posters	BTU	Introducing AGFORWARD a project to advance Agroforestry in Europe (Presentation at German Agroforestry Forum)	3 Dec 2014	Dornburg, Germany	SC, PM	50	Germany
News articles								

60	Web sites/Applications	ORC	New page developed for AGFORWARD on ORC website: http://www.organicresearchcentre.com/?go=Research-and-development&page=Ecoagroforestry&i=projects.php&p_id=43	Jan 2014	UK	M, CivS		Web-based
61	Press releases	TEI	A detailed description of the project is included in the 2nd Hellenic Agroforestry Network newsletter	7 Mar 2014	Greece			Greece
62	Press releases	ORC	Article on AGFORWARD published in Spring Issue of ORC Bulletin	1 April 2014	UK			UK
63	Web sites/Applications	UEX	Presentation of AGFORWARD project, on the official portal of the Regional Government of Extremadura http://extremambiente.gobex.es/files/convocatorias/2014/mayo/ag_forward.pdf	May 2014	Spain	I, PM, SC		Extremadura región, Spain
64	Press releases	LBI	Press release concerning foundation Dutch branch of EURAF	22 May 2014	Netherlands			Netherlands
65	Press releases	ISA	Agroforestry in the new Portuguese Rural Development Plan (2014-2020) in "EURAF newsletter, June 2014"	1 June 2014	Europe	SC, I, CivS, PM	100	Europe
66	Press releases	LBI	Kongsted, AG & Hermansen, JE 2014: Agroforestry i økologisk husdyrproduktion. Økologi og Erhverv nr. 548 p. 14 (Newsletter in a Danish journal of organic production)	4 Jul 2014	Netherlands			Netherlands
67	Press releases	CRAN	AGFORWARD News: July 2014	7 Jul 2014	On-line	SC, I, CivS, PM, M	500	Europe
68	Press releases	TEI	Vasilios Papanastasis contributed with an article on olive systems in the Hellenic Agroforestry Network 3rd News letter	1 Aug 2014	Greece			Greece
69	Press releases	NYME	Online newsletter for Forestry and Wood Industry Professionals Fatáj Online - I. Magyar Agroerdészeti Fórum http://www.fataj.hu/2014/08/121/201408121_Els-o-Magyar-Agroerdeszeti-Forum.php	12 Aug 2014	Hungary	SC, CivS, I, PM	10000	Hungary

70	Articles published in the popular press	LBI	Article in “Ekoland” magazine: “Agroforestry: hype of duurzaam perspectief” Bestman, M., Janmaat, L. (2014). Agroforestry, hype of duurzaam perspectief? Ekoland 31 augustus: 22-23.	22 Aug 2014	Netherlands	I	2200	Netherlands
71	Articles published in the popular press	AU	Brandt, I. 2014: Træerne skal ind i landbruget. Økologi og Erhverv nr. 552 p. 9. (Press coverage of the stakeholder workshop. In a Danish journal of organic production)	26 Sept 2014	Denmark	I, CivS		Denmark
72	Press releases	CRAN	AGFORWARD News: November 2014	4 Nov 2014	On-line	SC, I, CivS, PM, M	500	Europe
102	Press releases	TEI	Anastasia Pantera circulated among the Hellenic Agroforestry Network, the link to the video on agroforestry prepared by AGROOF	1 Nov 2014	Greece	I		Greece
73	Press releases	EURAF	EURAF Newsletter	1 Oct 2014	On line	SC, I, CivS, PM, M	1000	International
74	Press releases	EFI	Agroforestry and Green Economy Ambitions (article in the EFI News)	11 Nov 2014	Europe	I, SC, PM	1000	Europe
Workshops								
75	Organisation of Workshops	ORC	Workshop: Agroforestry: A question of scale – from forest gardens to landscape scale agroforestry at ORC annual producers conference	22 Jan 2014	Aston University, Birmingham	I, SC, PM, NGOs	40	UK
98	Organisation of Workshops	FDEA	Stakeholder Workshop presentation: „Agroforstwirtschaft in der Schweiz“ at FiBL Frick	21 Feb 2014	FiBL, Frick, Switzerland	I	20	Switzerland
99	Organisation of Workshops	TEI	The project was presented in a workshop in Athens organised by the Hellenic Agroforestry Network	26 Feb 2014	Greece	SC		Greece
100	Organisation of Workshops	INRA	Partnership day – Presentation of scientific projects	27 Feb 2014	Mauguio, France	SC	40	France
76	Organisation of Workshops	CNR	Agroforestry research and practice in Europe, at the 11th European IFSA (Int. Farming Systems Association) Symposium,	1-4 April, 2014	Berlin	SC, I, PM	200	International
77	Organisation of Workshops	INRA	Resilience Congress : field tour in Restinclières	5 May 2014	Montpellier, France	SC	60	France
101	Organisation of Workshops	FDEA	Stakeholder Workshop on: “Quelles perspectives pour l’agroforesterie en Suisse Romande?” organised by AGRIDEA at Arnex-sur-Orbe	27 May 2014	Switzerland	I		Switzerland

78	Organisation of Workshops	INRA	Visit of the AGFORWARD trials	13 Jun 2014	Mauguio, France	SC	120	France
79	Organisation of Workshops	INRA	Visit of the AGFORWARD trials	18 Jun 2014	Mauguio, France	I	25	France
80	Organisation of Workshops	ORC	Seeds to trees – the value of diversity; Open day at Wakelyns agroforestry research site	19 June 2014	Suffolk, UK	I	20	UK
81	Organisation of Workshops	INRA	Visit of the two agroforestry plots implemented in February 2014 in Lusignan	3 Jul 014	Lusignan, France	SC, I	20	France
82	Organisation of Workshops	UEX	Oral presentation at Workshop “Transferencia de conocimiento y buenas prácticas en emprendimiento sostenible en el marco de las dehesas” Available at: http://fresnedas.altekio.es/?p=267	17 July 2014	Mérida, Spain	I, PM, SC	40	Spain
83	Oral presentation to a wider public	TEI	Presentation made by Anastasia Pantera at Annual Acorn Festival, on the Island of Kea, Aegean, Greece	25 Oct 2014	Island of Kea, Aegean.	CivS	-	Greece
84	Oral presentation to a wider public	INRA	Agroforestry event at the Marciac festival Talk by C. Dupraz and V. Viaud	1 Aug 2014	Marciac, France	CivS	100	France
85	Oral presentation to a wider public	INRA	Discussion about the current research activities on agroforestry for dairy systems	2 Aug 2014	Marciac, France	SC	50	France
86	Oral presentation to a wider public	ORC	Presentation: Agroforestry in the livestock sector-evidence Workshop: Design a farm tree-planting scheme at Woodland Trust seminar ‘Improving the resilience of livestock systems,	11 Sept 2014	Harper Adams University, Shropshire, UK	I, PM	73	UK
87	Organisation of Workshops	INRA	Visit of the two agroforestry plots implemented in February 2014 in Lusignan	8 Oct 2014	Lusignan, France	PM, CivS	5	France
88	Organisation of Workshops	INRA	Visit of the two experimental plots implemented in February 2014 in Lusignan	21 Nov 2014	Lusignan, France	SC	15	France
89	Organisation of Workshops	ORC	Workshop: Designing temperate agroforestry systems. ORC annual producers conference	26 Nov 2014	Solihull, Birmingham, UK	I, SC, PM	30	UK
Training								
90	Organisation of Workshops	ORC	“Agroforestry: how trees can work on your farm; training event for farmers” training event with the Woodland Trust	26 Feb 2014	Newbury, UK	I, NGO	30	UK

91	Organisation of Workshops	AFAF	Conference for farmers about “Why and how to plant agroforestry trees?” (AFAF Information and discussion day in Bézéril, Gers, France)	7 Mar 2014	France			France
92	Organisation of Workshops	ORC	“Agroforestry: how trees can work on your farm” workshop at training event for farmers with the Woodland Trust	14 Mar 2014	Screveton, Notts, UK	I, NGO	30	UK
93	Web sites/Applications	UEX	Information hold in the official portal of the Regional Government of Extremadura: http://extremambiente.gobex.es/files/convocatorias/2014/mayo/ag_forward.pdf UEX presented (fresnedas.altekio.es/?p=267).	17 July 2014	Plasencia	I, SC	> 1000	Spain
94	Organisation of Workshops	INRA	Courses on Participatory plant breeding	27 Oct 2014	Toulouse, France	SC	70	France
95	Organisation of Workshops	ICRAF	Fergus Sinclair made presentation on “Fodder shrubs and trees” on a course on forage resources in drylands: major drivers and future scenarios	29 Oct 2014	Zaragoza, Spain	PM, SC, I	30	Spain
96	Organisation of Workshops	WER	Agro-ecology: science, practice and movement, including agroforestry; lecture with students	27 Nov 2014	Leuven, Belgium	SC		Belgium
97	Organisation of Workshops	INRA	Permaculture training, exchange on agroforestry practices	28 Nov 2014	Avignon, France	SC, I	40	France, USA
1 January 2015 to 30 June 2016								
Website/social media								
103	Web site	AGROOF and CRAN	Continuation of AGFORWARD website www.agforward.eu From Jan 15 to Jun 2016, we had 83,000 page visits equivalent to 150 page visits per day	On going	International	SC, I, CivS, PM, M	150 per day	Global
104	Website	AGROOF	Continuation of AGFORWARD Facebook site https://www.facebook.com/AgforwardProject	On going	France	SC, I, CivS, PM, M		Global
105	Web site/photo collection	EFI/ISA	Continuation of AGFORWARD Flickr site: https://www.flickr.com/photos/agforward	On going	International	CivS	> 1000	Global
106	National web site	Veneto	Continuation of Italian agroforestry website: www.agroforestry.it	On going	It	I, CivS, PM, M	> 1000	Italy
107	National web site	LBI	Continuation of Dutch agroforestry website: www.agro-forestry.nl	On going	NL	I, CivS, PM, M	> 1000	Belgium, The Netherlands
Conference organisation								

108	Farm Woodland Forum Meeting	ORC	Hosting the 2015 Farm Woodland Forum Annual General Meeting and organising a field visit to our agroforestry trial site at Elm Farm.	18-19 May 2015	Newbury, UK	SC, PM	50	UK, Ireland
109	AGFORWARD-EURAF event at EXPO 2015 Milan	EURAF, VENETO	Organisation of Agroforestry Day at EXPO2015: Agroforestry: sustainably feeding the planet and providing energy	12 Sept 2015	EU Pavilion, Milan, IT	SC, I, PM	50	Europe, Italy
110	ORC Producer conference session	ORC	'Can tree planting on livestock farms lead to a net increase in productivity and profit?'	27-28 Jan 2016	Bristol, UK	I, PM, SC, Ed	45	UK
111	Organizing and scientific committee of Third European Agroforestry Conference	EURAF	Celebrating 20 years of Agroforestry research in Europe	23-25 May 2016	Montpellier, FR	SC, I, CivS, PM, M	250	EU, USA, Canada, China.
Television								
112	TV program	INRA	« Silence ça pousse », Television program about gardening with Fabrice Maurice, Agnès Sourisseau, Luc Picaut, Christian Dupraz Replay link : https://www.youtube.com/watch?v=jQaT0aMKrA0	01 Jan 2015	France 5 Channel	General Audience	600 000	France and French speaking countries
113	TV interview	INRA-Ferlus	Interview on the France 3 french TV presenting the planting of trees in the agroforestry plot designed by the stakeholders at INRA Lusignan. Poitou-Charentes Region, France	17 Feb 2015	France 3 TV	I, CivS, PM, M	100 000	France
114	TV interview	AGROOF	Interview for the national TV channel "France 2 Television". 4 min of interview for the midday TV news. (Vézénobres – France on TV + On line internet)	13 Feb 2015	France 2 TV	All audience	5 million	France
115	TV interview	AGROOF	Short sequence on an experimental sites for ARTE Channel (on TV + on line internet), Vézénobres - France	18 Feb 2015	ARTE Tv	All audience	2 million	France and Germany
116	TV news report	INRA	« La révolution de l'agroforesterie », TV report in the ARTE news with Christian Dupraz, Henri Breton, Denis Florès Replay link: http://info.arte.tv/fr/la-revolution-de-lagroforesterie	21 Feb 2015	ARTE Channel	General Audience	500 000	France, Germany

117	TV news report	INRA	« L'agroforesterie replante les arbres au milieu des cultures » TV report in the France 2 news with Denis Florès, Franck Renouard, Rémi Cardinael Replay link : http://www.francetvinfo.fr/economie/emploi/metiers/agriculture/l-agroforesterie-replante-les-arbres-au-milieu-des-cultures_832587.html	24 Feb 2015	France 2 Channel	General audience	2 million	France and French speaking countries
118	TV Interview	AGROOF	Interview for the BBC news from Beauvais, France	25 Feb 2015	Beauvais - Fra	All audience	5 million	UK
119	TV news report	INRA	“Agroforesterie, ou comment allier le rendement agricole au respect de la nature ? », TV news report on the harvest in our experimental plots with Henri Breton, Christian Dupraz at Montpellier, Restinclières, Maraussan Replay links : http://www.francetvinfo.fr/replay-it/france-2/13-heures/it-de-13h-du-mardi-21-juillet-2015_998309.html Check at 19'48 http://www.francetvinfo.fr/monde/environnement/agroforesterie-ou-comment-allier-le-rendement-agricole-au-respect-de-la-nature_1008711.html	21/07/2015	France 2 TV	CivS	2 million	France
Oral presentations								
120	Oral presentation to a scientific event	INRA-Ferlus	Novak, S. Agroforestry innovations to be evaluated for ruminant farmers in the frame of the AgForward project. Presentation at Casdar Arbele project kick-off meeting.	12 Jan 2015	Jalogny, France	SC, I	25	France
121	Oral presentation to a business/political event	EFI	den Herder, M. Sustainability and Climate Change Research at EFI: the AGFORWARD project: presentation to Dutch Ambassador and Dutch Honorary Consul in Finland (government representatives)	19 Feb 2015	Joensuu, Finland	CivS	5	The Netherlands
122	Oral presentation to a public meeting	AU	Kongsted, AG & Hermansen JE (2015). Er Agroforestry en mulig udviklingsvej i økologisk svine-og fjerkræproduktion (Can AF be seen as a development path for organic pigs- og poultry production?). Presentation at Organic Denmark,	6 Mar2015	Vejle, Denmark	Organic producers, consumers and advisors	50	Denmark

			General Assembly					
123	Oral presentation to a scientific event	CREA	A. Rosati Presentation at AIAF (Italian Association for agroforestry) General Meeting and workshop.	7 Mar 2015	Verona, IT	SC, I	15	Italy
124	Oral presentation to a scientific event :	INRA	Climate-Smart Agriculture Conference: Field visit of agroforestry Estate by the conference participants. Visit guided by C. Dupraz	19 Mar 2015	Montpellier, France	SC, PM	50	International
125	Oral presentation	ISA	Joao Palma presented: Bolota: O futuro de um alimento com passado	20 Mar 2015	Herdade do Freixo do Meio - Foros de Val de Figueira	CivS	150	Portugal
126	Oral presentation to a scientific event	CRAN	Burgess, P.J., Graves, A.R. (2015). AGFORWARD: Création d'une Ressource Européenne pour l'Agroforesterie. Presentation at "Des Arbres en Agriculture, L'Agroforesterie au Coeur des Enjeux Contemporains"	21 Mar 2015	Université Paris Descartes, Paris	SC	300	France
127	Conference presentation	INRA-Ferlus	Novak, S. Innovating on cattle production, Lycée agricole de l'Oisellerie,	27 Mar 2015	Angoulême, France	I, Ed	75	France
128	Oral presentation to a professional event	AGROOF	Liagre, F. Conference LEGTA (Training center for farmers)	31 Mar 2015	Wintzenheim	I, Ed	100	France
129	Oral presentation to a public event	AGROOF	Liagre, F. Conference about Agroforestry Perspectives in France	11 April 2015	Florac (Lozère)	CivS, I	100	France
130	Oral presentation to a scientific event	INRA	Communication to the French "Académie d'Agriculture" by C. Dupraz	16 April 2015	Paris	SC	80	France
131	Oral presentation to a scientific event	USC	Mosquera-Losada MR, Santiago-Freijanes JJ, Ferreiro-Domínguez N, Rois M, Rigueiro-Rodríguez A, (2015). Reducing pollution in agricultura land, agroforestry and Common Agrarian Policy. EGU Conference	16 April 2015	Vienna, Austria	SC	1000	All Europe
132	Oral presentation to a scientific event	CNR	Paris P, Pisanelli A, Camilli F et al., Sistemi agroforestali per un nuovo uso del suolo ad alta valenza produttiva ed ecologica" (in Italian) [Agroforestry as a new land use system with high productive and Environmental Value]. ISPRA National Conference "Policies, Actions and	6 May 2015	Milan, Italy	SC, PM	150	Italy

			Measures for Sustainable Land Use"					
133	Oral presentation to a scientific event	CRAN	Upson, M., Burgess, P.J., Morrison, J.I. (2015). Predicting ash growth in farm woodlands. Presentation at Farm Woodland Forum Annual General Meeting. Newbury UK	18 May 2015	Newbury, UK	SC, PM	50	UK, Ireland
134	Oral presentation to a scientific event	AFBI	Lunny, R., McAdam, J.H., Douglas, G. (2015) Alley Coppice: An alternative land use system. Presentation at Farm Woodland Forum Annual General Meeting.	18 May 2015	Newbury, England	SC, PM, I, Ed	50	UK, Ireland
250	Oral presentation to a scientific event	EVD	Jäger M., Herzog F. (2015) Agroforstnetzwerk Schweiz. Presentation to Extension officers	30 April 2015	Zürich, CH	I	20	Switzerland
135	Oral presentation to a scientific event	CRAN	Burgess, P.J., den Herder, M., Upson, M. (2015). Quantifying Agroforestry in Europe with a focus on the UK. Presentation at Farm Woodland Forum Annual General Meeting.	18 May 2015	Newbury UK	SC, PM, I, Ed	50	UK, Ireland
136	Oral presentation to a scientific event	CRAN	Upson, M., Burgess, P.J., Morrison, J.I. (2015). Predicting ash growth in farm woodlands. Presentation at Farm Woodland Forum Annual General Meeting.	18 May 2015	Newbury UK	SC, PM, I, Ed	50	UK, Ireland
137	Oral presentation to a scientific event	BTU	Mirck, J., Burgess, P.J., den Herder, M. (2015). Agroforestry in Europe and the European Agroforestry Federation. Presentation (key note) at North American Agroforestry Conference.	1 Jun 2015	Ames, Iowa, USA	SC, PM, practitioners	120	USA, Canada
138	Oral presentation to a scientific event	EFI	den Herder, M., Rois, M., Lovrić, M. Quantifying Agroforestry in Europe and understanding its context. Presentation for the EFI Scientific Advisory Board – REPSCO meeting	3 June 2015	Joensuu, Finland	SC	20	Europe
139	Oral presentation to a scientific event	LBI	Luske, B., N.J.M. van Eekeren. 2015. Potential of fodder trees in high-output dairy systems. International Congress of European Grassland Federation p. 250-252. In EGF 2015. Wageningen, The Netherlands. 15-17 June 2015. http://www.louisbolk.org/nl/publicaties/publicatie/?pubID=3024	15 Jun 2015	Wageningen, NL	SC	1000	Europe
140	Oral presentation to a scientific event	UCPH	Fagerholm, N., Plieninger T., Bieling, C., Bürgi, M., Garcia Martin, M. Eliciting landscape values	17 Jun 2015	Tallinn & Tartu, Estonia	SC	30	International

			through participatory mapping and oral histories. 6th Nordic Geographers Meeting.					
141	Oral presentation to an extension event	UEX	Fernando Pulido (2015). Title: Contexto actual y tendencias en la gestión de la dehesa. Event: <i>Workshop Life "Gestión sostenible en ecosistemas mediterráneos: la Dehesa" (Sustainable Management of the Dehesa)</i>	18 Jun 2015	Ciudad Rodrigo, Salamanca, Spain	I, PM		
142	Oral presentation to an extension event	UEX	Gerardo Moreno (2015). Title: Importancia del suelo para la producción y conservación de la dehesa. Event: <i>Workshop Life "Gestión sostenible en ecosistemas mediterráneos: la Dehesa" (Sustainable Management of the Dehesa)</i> .	18 Jun 2015	Ciudad Rodrigo, Salamanca, Spain	I, PM		
143	Oral presentation to an extension event	UEX	Fernando Pulido (2015). Title: Producción y Aprovechamiento de la Bellota (Acorn production and market opportunities) Event: <i>Workshop "El agroecosistema Dehesa: presente, amenazas y desarrollo" (The Dehesa agroecosystem: present, threats and innovations)</i>	18 Jun 2015	Ciudad Rodrigo, Salamanca, Spain	I, PM		
144	Oral presentation to an extension event	UEX	Gerardo Moreno (2015). Title: Pastos y Cultivos. Mejoras Productivas (Improving the productivity of pastures and fodder crops in the dehesa) Event: <i>Workshop "El agroecosistema Dehesa: presente, amenazas y desarrollo" (The Dehesa agroecosystem: present, threats and innovations)</i>	18 Jun 2015	Ciudad Rodrigo, Salamanca, Spain	I, PM		
145	Oral presentation to a scientific event :	INRA	European weed science Conference: Field visit of agroforestry Estate by the conference participants. Visit guided by C. Dupraz	25 Jun 2015	Montpellier	SC, PM	60	International
146	Oral presentation to an extension event	UEX	Gerardo Moreno. Title: "Forestería y Recursos Forestales. Sistemas Agroforestales". Event: II Encuentro Internacional de Agroecología y Tradiciones Rural	July 2015	Espinosa de los Monteros, Burgos, Spain	I	>100	Spain
147	Oral presentation to a scientific event	BTU	Freese D*, Mirck J, Böhm C, Graves A. 2015. The potential role of agroforestry in tackling climate change and food security. World EXPO Milan, Climate change and food security: challenges for plant health, plant breeding and genetic resources.	14 July 2015	Milan, Italy	SC, I, PM	200	Europe

148	Oral presentation to a scientific event	CRAN	Burgess, P.J., Graves, A.R., Palma, J.H.N., Crous-Duran, J., Upson, M. (2015). Financial and economic benefits of integrated crop-livestock-tree systems in Europe. Presentation at World Congress of Integrated Crop-Livestock-Forest Systems	17 Jul 2015	Brasilia, Brazil	SC, I, Pol	300	Brazil, USA, Argentina, Chile, UK, Kenya, Mexico, Canada.
149	Oral presentation to a scientific event	TEI	A. Pantera, P.J. Burgess, R. Mosquera-Losada, G. Moreno, N. Corroyer, J. McAdam, A. Rosati, A. et al. 2015. Farmers' perspective on the opportunities and challenges of high value tree agroforestry systems. Proceedings of the 14th International Conference on Environmental Science and Technology,	3-5 Sept 2015	Rhodes, Greece			Greece
150	Oral presentation to a scientific event	AFBI	McAdam, J. (2015) Silvopasture as a sustainable land use in a partially <i>re-wilded</i> landscape. In Rotheram, I. & Handley C. (Eds) Managing Landscape Change and Future Ecologies. Conf Abstracts p11, Full paper pp 81-91.	9-11 Sept 2015	Sheffield, England	SC, PM	70	UK, Ireland
151	Oral presentation at Scientific event	CRAN	Burgess, P.J. (2015). The AGFORWARD Project. Presentation at the Agroforestry Event at EXPO 2015, Milan, Italy	12 Sept 2015	Milan	SC, I, Pol	30	Italy, France, Spain
152	Oral presentation to a scientific event	CNR	Sabatti M, Paris P et al. Novel poplar genotypes for short rotation plantations in Mediterranean environment: productivity and biomass quality for biorefinery. 10 th SISEF National Conference. "Sustaining the planet, forests for life".	15-18 Sept. 2015	Florence, Italy	Academia	250	Italy
153	Oral presentation to a scientific event	CNR	Camilli et al. L'approccio partecipativo alla ricerca per lo sviluppo di pratiche agroforestali innovative: quattro casi studio del progetto AGFORWARD" [The participatory approach to research for the development of innovative agroforestry practices: the Italian case studies in the AGFORWARD project.] 10 th SISEF National Conference.	15-18 Sept. 2015	Florence, Italy	Academia	250	Italy
251	Oral presentation to a general audience	EVD	Herzog F., Jaeger M. (2015) L'agroforesterie en Suisse – perspectives, promesses et questions. Presentation to the Association : Vision	19 Sept 2015	Arnex, CH	I, SC	20	Switzerland

			d'agriculture Suisse					
154	Oral presentation to a scientific event	CNR	Camilli et al., Stakeholders' perceptions of environmental and socio-economic benefits and constraints associated to agroforestry systems. International Workshop "Mediterranean agro-silvopastoral systems: Searching for trade-offs among provisioning, regulating and cultural ecosystem services"	15 Dec. 2015	Sassari, Italy	SC, PM	75	Italy
155	Oral presentation to a scientific event	CNR	Franca A Grazing management on pasture productivity, biodiversity and fire prevention in Sardinian silvo-pastoral systems. International Workshop "Mediterranean agro-silvopastoral systems: Searching for trade-offs among provisioning, regulating and cultural ecosystem services"	15 Dec. 2015	Sassari, Italy	SC, PM	75	Italy
156	Oral presentation to a wider public	CRAN	Two hour meeting focused on agroforestry with the UK National Farmers Union	17 Dec 2015	Warwick-shire	PM	10	UK
157	Oral presentation to a scientific event	CNR	Franca A, Porqueddu C, Re GA, Sanna F Gestione della copertura erbacea in sistemi silvo-pastorali. Workshop Multifunzionalità e Gestione sostenibile delle foreste mediterranee	21 Jan. 2016	Cagliari, Italy	SC, PM	100	Italy
158	Oral presentation at Scientific event	CRAN	Burgess, P.J. (2016). Overview of Agroforestry and its Benefits. Presentation at the Oxford Real Farming Conference	7 Jan 2016	Oxford, UK	SC, CivS, I	100	UK
159	Oral presentation at Scientific event	CRAN	Burgess, P.J. (2016). Agroforestry: Complexity underpinning multiple benefits from the farm to the landscape. Presentation at the "Designing the Path: a Strategic Approach to EU Agricultural Research and Innovation" conference.	28 Jan 2016	European Commission, Brussels	SC, I, Pol, CivS	250	EU
160	Oral presentation to an education event	USC	Rois Díaz, M. Integrando práctica y ciencia en los sistemas agroforestales en Europa (Integrating practice and science in agroforestry systems in Europe)	18 Mar 2016	Ponferrada, Spain	SC	50	Spain
161	Oral presentation to a scientific event	UCPH	Plieninger, T. Approaches for mapping the distribution, changes, and socio-cultural values of European wood-pasture landscapes	24 Mar 2016	VU University Amsterdam	SC	40	Europe

162	Oral presentation to a scientific event	AGROOF	Conference organised by ADEME on Agroforestry and soil. Intervention on the topic of agroforestry, soil and carbon in the territory projects	12 May 2016	national	SC	200	France
163	Oral presentation to a scientific event	AGROOF	Conference organised by IRTA in Catalogne (Spain) and the Spanish association. Development and perspective of Agroforestry in France	21 May 2016	national	SC	50	Spain
164	Oral presentation to a scientific event	AFAF	Lawson GJ, Balaguer F, Palma JHN, Papanastasis V, Options for agroforestry in the CAP 2014-2020.. 3 rd European Agroforestry Conference.	23-25 May 2016	Montpellier, France	SC, I, PM	70	International
165	Oral presentation to a scientific event	BTU	Mirck J, Kanzler M, Böhm C, Freese D. 2016. Sugar beet yields and soil moisture measurements in an alley cropping system. 3 rd European Agroforestry Conference	23-25 May 2016	Montpellier, France	SC, I, PM	70	Europe
166	Oral presentation to a scientific event	BTU	Kanzler M, Bohm C, Mirck J. Microclimate effects of short rotation tree-strips in Germany.. 3 rd European Agroforestry Conference	23-25 May 2016	Montpellier, France	SC, I, PM	70	Europe
167	Oral presentation to a scientific event	CNR	Camilli F., Pisanelli A., Seddaiu G., Franca A., Bondesan V., Rosati A., Moreno GM., Pantera A., Hermansen J.E., Burgess P.J. Benefits and constraints associated to agroforestry systems: the case studies implemented in Italy within the AGFORWARD project. 3rd European Agroforestry Conference,	23-25 May 2016	Montpellier, France	SC, I, PM	70	International
168	Oral presentation to a scientific event	CNR	Paris P., Tosi L., Leonardi L., Ciolfi M., Della Valle C., Sangiovanni M., Lauteri M. Interspecific interactions on the light, water and nitrogen availability in a young poplar silvoarable system. 3rd European Agroforestry Conference,	23-25 May 2016	Montpellier, France	SC, I, PM	70	International
169	Oral presentation to a scientific event	CNR	Facciottto G, Paris P, Bergante S. Growth and yield results of timber trees mixed with poplars SRC: 9 years of an experimental site in the Po Valley. 3rd European Agroforestry Conference,	23-25 May 2016	Montpellier, France	SC, I, PM	70	International
170	Oral presentation to a scientific event	CRAN	Burgess PJ, Den Herder M, Dupraz C, Garnett K, Graves AR, Hermansen J, Liagre F, Mirck J, Moreno G, Mosquera-Losada MR, Palma JHN, Pantera A, Plieninger T (2016). AGFORWARD: Achievements	23-25 May 2016	Montpellier, France	SC, I, PM	70	International

			during the first two years. Presentation at Third European Agroforestry Conference					
171	Oral presentation at Scientific event	CRAN	Burgess PJ, Garcia de Jalon S, Graves A (2016). Complexity and agroforestry : ways to embrace the challenge. 3rd European Agroforestry Conference	23-25 May 2016	Montpellier, France	SC, I, PM	70	International
172	Oral presentation at Scientific event	CRAN	Garcia de Jalon S, Graves A, Kaske KJ, Palma J, Crous-Duran J, Burgess PJ (2016). Assessing the environmental externalities of arable, forestry, and silvoarable systems: new developments in Farm-SAFE. 3rd European Agroforestry Conference	23-25 May 2016	Montpellier, France	SC, I, PM	70	International
173	Oral presentation to a scientific event	CREA	Brunori A, Dini F., Proietti P., Nasini L., Aguilera E., Infante-Amate J., González de Molina M., Rosati A. 2016. From ancient olive agroforestry systems to modern conventional and organic olive monocultures: historical evolution of greenhouse gas emissions. 3rd European Agroforestry Conference	23-25 May 2016	Montpellier, France	SC, I, PM	70	International
174	Oral presentation to a scientific event	CREA	Mantovani D., Benincasa P., Rosati A. 2016. Olive (<i>Olea europaea</i> L.) and wild asparagus (<i>Asparagus acutifolius</i> L.) agroforestry system: asparagus performance and its best positioning in the olive orchard. 3rd European Agroforestry Conference,	23-25 May 2016	Montpellier, France.	SC, I, PM	70	International
175	Oral presentation to a scientific event	CREA	Rosati A, Boggia A, Castellini C, Paolotti L, Rocchi L. When chickens graze in olive orchards, the environmental impact of both chickens and rearing and olive growing decreases. 3 rd European Agroforestry Conference	23-25 May 2016	Montpellier, France	SC, I, PM	70	International
176	Oral presentation to a scientific event	EFI	den Herder M, Moreno G, Mosquera-Losada R, Palma J, Sidiropoulou A, Santiago Freijanes JJ, Crous-Duran J, Paulo JA, Tomé M, Pantera A, Papanastasis V, Konstantinos Mantzanas, Przemko Pachana, Plieninger T, Burgess PJ. Current extent of agroforestry in Europe. 3 rd European Agroforestry Conference	23-25 May 2016	Montpellier, FR	SC, I, PM	70	International
177	Oral presentation to a scientific event	EVD	Jager M, Herzog F. (2016) Participatory agroforestry development in Switzerland. 3 rd	23-25 May 2016	Montpellier, France	SC, I, PM	70	International

			European Agroforestry Conference					
178	Oral presentation to a scientific event	EVD	Sereke F, Graves A, Herzog F (2016) Drivers of Swiss agroforestry: It's not all about money. 3 rd European Agroforestry Conference	23-25 May 2016	Montpellier, France	SC, I, PM	70	International
179	Oral presentation to a scientific event	INRA	Desclaux D, Huang H-Y, Bernazeau B, Laven P. Agroforestry: new challenge for field crop breeding?. 3 rd European Agroforestry Conference	23-25 May 2016	Montpellier, France	SC, I, PM	70	International
180	Oral presentation to a scientific event	INRA	Dupraz C, Lecomte I, Molto Q, Blitz-Frayret C, Gosme M. Agroforestry at all latitudes? Unexpected results about best designs to allow more light to the crops at various latitudes. 3 rd European Agroforestry Conference	23-25 May 2016	Montpellier, France	SC, I, PM	70	International
181	Oral presentation to a scientific event	INRA	Gosme M, Dufour L, Inurreta Aguirre HD, Dupraz C. Microclimatic effect of agroforestry on diurnal temperature cycle. 3 rd European Agroforestry Conference	23-25 May 2016	Montpellier, France	SC, I, PM	70	International
182	Oral presentation to a scientific event	INRA	Inurreta Aguirre HD, Dufour L, Dupraz C, Lauri PE, Gosme M. Effect of agroforestry on phenology and components of yield of different varieties of durum wheat.. 3 rd European Agroforestry Conference	23-25 May 2016	Montpellier, France	SC, I, PM	70	International
183	Oral presentation to a scientific event	INRA	Novak S, Liagre F, Emile JC. Integrating agroforestry into an innovative mixed crop-dairy system. 3 rd European Agroforestry Conference	23-25 May 2016	Montpellier, France	SC, I, PM	70	International
184	Oral presentation to a scientific event	INRA	Meziere D, Boinot S, de Waal L, Cadet E, Fried G. Arable weeds in alley cropping agroforestry systems – results of a first year survey. 3 rd European Agroforestry Conference	23-25 May 2016	Montpellier, France	SC, I, PM	70	International
185	Oral presentation to a scientific event	ISA	Palma JHN, Graves AR, Crous-Duran J, Paulo JA, Oliveira TS, Garcia de Jalon S, Kay S, Burgess PJ. Keeping a parameter-sparse concept in agroforestry modelling while integrating new processes and dynamics: new developments in Yield-SAFE. 3 rd European Agroforestry Conference,	23-25 May 2016	Montpellier, France.	SC, I, PM	70	International
186	Oral presentation to a scientific event	ISA	Palma JHN, Oliveira TS, Crous-Duran, Paulo JA. Using Yield-SAFE model to assess hypothetical eucalyptus silvopastoral systems in Portugal.	23-25 May 2016	Montpellier, France	SC, I, PM	70	International

			3rd European Agroforestry Conference,					
187	Oral presentation to a scientific event	ISA	Crous Duran J, Moreno G, Oliveira TS, Paulo JA, Palma JHN. Modelling holm oak acorn production in South-Western Iberia. 3rd European Agroforestry Conference,	23-25 May 2016	Montpellier, France	SC, I, PM	70	International
188	Oral presentation to a scientific event	ISA	Lawson GJ, Brunori A, Palma JHN, Balaguer F. Sustainable management criteria for agroforestry in the European Union. 3 rd European Agroforestry Conference.	23-25 May 2016	Montpellier, France	SC, I, PM	70	International
189	Oral presentation to a scientific event	LBI	Luske B, Van Evlow K, Vonk M. Bottlenecks and solutions for introducing agroforestry: a case study for the Netherlands. 3 rd European Agroforestry Conference	23-25 May 2016	Montpellier, France	SC, I, PM	70	International
190	Oral presentation to a scientific event	NYME KKK	Vityi A, Kovács K, Dufla F, Bácsmegi L, Nagy I. Improve the efficiency of afforestation by the use of agroforestry practices. 3 rd European Agroforestry Conference	23-25 May 2016	Montpellier, France	SC, I, PM	70	International
191	Oral presentation to a scientific event	TEI	Pantera A, Papadopoulos A, Kitsikopoulos D, Mantzanas K, Papanastasis V, Fotiadis G, Burgess P Olive groves intercropped in Molos, Central Greece. 3 rd European Agroforestry Conference	23-25 May 2016	Montpellier, France	SC, I, PM	70	International
192	Oral presentation to a scientific event	TEI	Mantzanas K, Pantera A, Delapre L, Koutsoulis D, Papadopoulos A, Fotiadis G, Sidiropoulou A, Papanastasis VP. Olive trees intercropped with cereals and legumes in Kassandra peninsula, Northern Greece, 3 rd European Agroforestry Conference	23-25 May 2016	Montpellier, France	SC, I, PM	70	International
193	Oral presentation to a scientific event	UCPH	Fagerholm N, Oteros-Rozas E, Raymond CM, Torralba M, Moreno, G, Plieninger, T. Importance of ecosystem services from agroforestry for local people. 3 rd European Agroforestry Conference	23-25 May 2016	Montpellier, France	SC, I, PM	70	International
194	Oral presentation to a scientific event	UEX	Arenas-Corraliza G, <u>Mantino A</u> , López-Díaz ML, Moreno G. Cropping Among Trees to Cope with Climate Change. Insights from Cereal. Yield Cultivated in Walnut Plantations of Central Spain. 3 rd European Agroforestry Conference	23-25 May 2016	Montpellier, France	SC, I, PM	70	International

195	Oral presentation to a scientific event	UEX	López-Díaz ML, <u>Bertomeu M</u> , Benítez R, Arenas-Corralizas G, Moreno G Carbon sequestration in intensive hardwood plantations: Influence of management 3 rd European Agroforestry Conference	23-25 May 2016	Montpellier, France	SC, I, PM	70	International
196	Oral presentation to a scientific event	UEX	<u>Moreno G</u> , Aviron S, Berg S, Burgess PJ, Caceres Y, Crous-Duran J, Faias SP, Firmino PN, Fotiadis G, Franca A, Garcia de Jalon, S., Hartel T, Lind T, López Bernal A, Mantzanas K, Mirck J, Palma J, Pantera A, Paulo JA, Papadopoulos A, Papanastasis V, Papaspyropoulos K, Popa R, Porqueddu C., Rákossy L, Re GA, Sanna F, Thenail C, Tsonkova P, Valinger E, Varga A, Viaud V, Vityi A Agroforestry systems of high natural and cultural value in Europe: structure, management, goods and services. 3 rd European Agroforestry Conference	23-25 May 2016	Montpellier, France	SC, I, PM	70	International
197	Oral presentation to a scientific event	UEX	Moreno G, Berg S, Burgess PJ, Camilli F, Crous-Duran J, Franca A, Hao H, Hartel T, Lind T, Mirck J, Palma J, Pantera A, Paula JA, Pisanelli A, Rolo V, Seddaiu G, Thenail C, Tsonkova P, Upson M, Valinger E, Varga A, Viaud V, Vityi A. Agroforestry systems of high natural and cultural value in Europe: constraints, challenges and proposal for the future. 3 rd European Agroforestry Conference	23-25 May 2016	Montpellier, France	SC, I, PM	70	International
198	Oral presentation to a scientific event	USC	Ferreiro-Dominguez N, Rigueiro-Rodriguez A, Mosquera-Losada MR Productivity of silvoarable systems established with <i>Prunus avium</i> L. in Galicia (NW Spain). 3rd European Agroforestry Conference,	23-25 May 2016	Montpellier, France	SC, I, PM	70	International
199	Oral presentation to a scientific event	USC	Mosquera-Losada MR, Santiago-Freijanes JJ, Lawson G, Balaguer F, Vaets N, Burgess P, Rigueiro-Rodriguez A. Agroforestry as tool to mitigate and adapt to climate under LULUCF accounting. 3rd European Agroforestry Conference,	23-25 May 2016	Montpellier, France	SC, I, PM	70	International
200	Oral presentation to a scientific event	USC	Mosquera-Losada MR, Santiago-Freijanes JJ, Rois M, Moreno G, Pisanelli A, Lamersdorf N, den	23-25 May 2016	Montpellier, France	SC, I, PM	70	International

			Herder M, Burgess PJ, Fernandez-Lorenzo JL, Gonzalez-Hernandez P, Rigueiro-Rodriguez A. CAP and agroforestry practices in Europe. 3rd European Agroforestry Conference,					
201	Oral presentation to a scientific event	USC	Mosquera-Losada MR, Santiago-Freijanes JJ, Pisanelli A, Lamersdorf N, Burgess PJ, Fernandez-Lorenzo JL, Gonzalez-Hernandez P, Ferreiro-Dominguez N, Rigueiro-Rodriguez A. Agroforestry in the CAP: Eligibility. 3rd European Agroforestry Conference,	23-25 May 2016	Montpellier, France	SC, I, PM	70	International
202	Oral presentation to a scientific event	USC	Mosquera-Losada MR, Santiago-Freijanes JJ, Pisanelli A, Moreno G, den Herder M, Lamersdorf N, Burgess PJ, Fernandez-Lorenzo JL, Gonzalez-Hernandez P, Ferreiro-Dominguez N, Rigueiro-Rodriguez A. Agroforestry in the CAP: Cross-compliance or conditionality. 3rd European Agroforestry Conference,	23-25 May 2016	Montpellier, France	SC, I, PM	70	International
203	Oral presentation to a scientific event	USC	Santiago-Freijanes JJ, Mosquera-Losada MR, Pisanelli A, Lamersdorf N, Burgess PJ, Fernandez-Lorenzo JL, Gonzalez-Hernandez P, Ferreiro-Dominguez, Rigueiro-Rodriguez A. Agroforestry in the rural development CAP: Pillar II. 3rd European Agroforestry Conference,	23-25 May 2016	Montpellier, France	SC, I, PM	70	International
252	Oral presentation to a scientific event	INRA	Cabon V (2016). Presentation of "Evaluation des haies nouvelles plantées par l'association Terres & Bocage" at General Assembly of "Terres & Bocage" s	16 June 2016	Trédaniel, Brittany, France	I	40	France
204	Oral presentation to a scientific event	UEX	López Díaz ML, Bertomeu M, Urban I, Homar CA, <u>Moreno G</u> . Title: Técnicas alternativas de manejo de plantaciones de producción de madera de calidad en régimen intensivo Event: V Reunión del Grupo de Trabajo sobre Sistemas Agroforestales de la Sociedad Española de Ciencias Forestales (SECF)	21-22 Jun 2016	Solsona, Spain	SC, I	50	Spain
205	Oral presentation to a scientific event	UEX	Gerardo Moreno, Manuel Bertomeu, Yonathan Cáceres, Ana Hernández, Enrique Juárez, Lourdes López-Díaz, Fernando Pulido. Concerns and	21-22 Jun 2016	Solsona, Spain	SC, I	50	Spain

			Innovations for dehesas. V Reunión del Grupo de Trabajo sobre Sistemas Agroforestales de la Sociedad Española de Ciencias Forestales (SECF)					
206	Oral presentation to a scientific event	UEX	Gerardo Moreno ¹ , Manuel Bertomeu, Enrique Juárez Title: Response to thinning of a hybrid walnut plantation for timber in Madrigal de la Vera, Cáceres, Spain. Event: V Reunión del Grupo de Trabajo sobre Sistemas Agroforestales de la Sociedad Española de Ciencias Forestales (SECF)	21-22 Jun 2016	Solsona, Spain	SC, I	50	Spain
207	Oral presentation to a scientific event	UEX	Manuel Bertomeu ¹ , Enrique Juárez, Gerardo Moreno Title: Response to pollarding of cavitated, plantation-grown wild cherry timber trees (<i>Prunus avium</i> L.) in Madrigal de la Vera, Cáceres, Spain. Event: V Reunión del Grupo de Trabajo sobre Sistemas Agroforestales de la Sociedad Española de Ciencias Forestales (SECF)	21-22 Jun 2016	Solsona, Spain	SC, I	50	Spain
208	Oral presentation at Scientific event	CRAN	Burgess PJ, Smith J, McAdam J, Garcia de Jalon S, Aviron S, Corroyer N, Wartelle R, den Herder M (2016). The AGFORWARD project and stakeholder groups across North-West Europe. Presentation at Farm Woodland Forum Annual Meeting	22 Jun 2016	Ballyhaise Agricultural College, Co. Cavan, Ireland.	SC, I	25	Ireland, UK
209	Oral presentation at Scientific event	CRAN	Garcia de Jalon S, Graves A, Kaske KJ, Palma J, Crous-Duran J, Burgess PJ (2016). Assessing the environmental externalities of silvoarable systems in Farm-SAFE. Presentation at Farm Woodland Forum Annual Meeting	22 Jun 2016	Ballyhaise Agricultural College, Co. Cavan, Ireland.	SC, I	25	Ireland, UK
210	Oral presentation to a scientific event	CNR	Sanna, Franca A, et al. The potential role of seedbanks in maintaining grassland vegetation in a Mediterranean oak woodland. 19th Meeting of the FAO-CIHEAM Mountain Pastures sub-network	14-16 June 2016	Saragozza, Spain	SC, PM	150	International
Poster								
211	Poster	IBAF	Paris et al., "Sistemi agroforestali per un nuovo uso del suolo ad alta valenza produttiva ed ecologica" (in Italian) [Agroforestry as a new land use system with high Productive and Environmental Value], ISPRA National Conference "Let's Gain Ground!"	6 May 2015	Milan, Italy	SC, PM	150	Italy

			Policies, Actions and Measures for Sustainable Land Use” (http://www.isprambiente.gov.it/en/publications/proceedings/)					
212	Poster	BTU	Mirck, J. Tsonkova, P., Freese, D. (2015). Agroforestry Practice Identification and Development through Stakeholder Engagement	1-4 Jun 2015	Ames, Iowa, USA	SC, PM, I	120	
213	Poster	AFBI	McAdam, J., Olave, R., Ward, F. (2015) Grazing in Silvopasture and Fruit Orchards Historical Experience and Future Potential. Poster presentation Agricultural Historical Society	6 June 2015	Armagh, Northern Ireland	SC, PM	37	Ireland
214	Poster at scientific event	CRAN	Burgess, P.J., Sanchez Martinez, P.J., Williams, A.G. (2015). At what scale should livestock-forest systems be considered? Poster at World Congress of Integrated Crop-Livestock-Forest Systems.	17 Jul 2015	Brasilia, Brazil	SC, I, Pol	200	International
215	Poster	EVD	Herzog F., Junquera V., Szerencsits E., Jaeger M. (2015) Vom traditionellen Hochstamm-Feldobstgarten zum modernen Agroforstsystem Poster presented at the 23rd annual assembly of the Swiss Society of Agronomy	20 Mar 2015	Zollikofen, Switzerland		50	Switzerland
216	Poster presentation	INRA-Ferlus	Agroforestry for livestock to restore biodiversity in Poitou-Charentes territories	1 Oct 2015	Journée de la haie. Melle, France	Ed	150	France
217	Poster presentation to a scientific event	INRA-Ferlus	Novak S. Grasslands adapted to climate change for a dairy system saving water and energy: the OasYs projet. Seminar on the methods and results of the INRA project	Oct 2015	“Climagie”, Poitiers, France	SC	50	France
218	Poster presentation to a scientific event	BTU	Tsonkova P, Mirck J, Böhm C, Fütz B, Freese D. 2016. The lack of a clear definition of Agroforestry as a barrier to the widespread acceptance of the system in Germany. 3 rd European Agroforestry Conference	23-25 May 2016	Montpellier, France	SC, I, PM	250	Europe
219	Poster presentation to a scientific event	EVD	Kay S, Herzog F, Aviron S, Crous J, den Herder M, Ferreira-Dominguez N, García de Jalon S, Graves A, Moreno G, Palma J, Plieninger T, Szerencsits E, Torralba Viorreta M, Viaud V. Ecosystem services in	23-25 May 2016	Montpellier, France	SC, I, PM	250	International

			agroforestry systems in Europe with an International emphasis on biodiversity. 3 rd European Agroforestry Conference					
220	Poster presentation to a scientific event	INRA-Ferlus	Emile JC, Delagarde R, Barre P, Novak S. Nutritive value and degradability of leaves from temperate woody resources for feeding ruminants in summer. 3 rd European Agroforestry Conference,	23-25 May 2016	Montpellier, France	SC, I, PM	250	Europe
221	Poster presentation to a scientific event	NYME KKK	Varga A., Molnár Á., Harsányi D, Tóth T., Óze P., Sallainé Kapocsi J., Molnár Zs., Biró M. Floodplain forest grazing management: past, present and future. 3rd European Agroforestry Conference	23-25 May 2016	Montpellier, France	SC, I, PM	250	International
222	Poster presentation to a scientific event	NYME KKK	Vityi A, Frank N. Shelterbelt as a best practice of improving agricultural production. 3rd European Agroforestry Conference	23-25 May 2016	Montpellier, France	SC, I, PM	250	International
223	Poster presentation to a scientific event	UCPH	Fagerholm, N, Torralba, M., Burgess, P.J., Plieninger, T. A systematic map of ecosystem services assessments around European agroforestry. 3 rd European Agroforestry Conference	23-25 May 2016	Montpellier, France	SC, I, PM	250	Europe
224	Poster presentation to a scientific event	ORC	Smith J, Fradgley N and Wolfe MSW. Developing agroforestry-adapted cereals using an evolutionary plant breeding approach. 3 rd European Agroforestry Conference	23-25 May 2016	Montpellier, France	SC, I, PM	250	International
225	Poster presentation to a scientific event	VENETO	Gumiero B, Boz B, Colombani N, Mastrocicco M, Della Venezia F, Agostinetto L, Correale F, Mezzalira G. Phytodepuration processes in two short rotation forestry systems within the Venice lagoon watershed. 3 rd European Agroforestry Conference	23-25 May 2016	Montpellier, France	SC, I, PM	250	International
226	Poster presentation to a scientific event	VENETO	Dalla Valle C., Fiorentin R., Rizzi A., Mezzalira G. Agroforestry demo-projects in Veneto Agricoltura's pilot farms and centres. 3rd European Agroforestry Conference,	23-25 May 2016	Montpellier, France	researchers, farmers, policy makers	250	International
News articles								
227	Article	UCPH	Torralba Viorreta, M. Hedgerow planting in Denmark	24 Feb 2015	EURAF Newsletter	Europe		Europe
228	Tailor-made	LBI	Agroforestry op akkerbouwbedrijven in Drenthe.	5 Mar 2015	Assen, NL	PM	5	Netherlands

	information leaflet		Leaflet for Policy makers in the province of Drenthe					
229	Interview	INRA-Ferlus	Interview on agroforestry in the frame of the projet OasYs of INRA Lusignan, on the web site of "La France Agricole".	17 Mar 2015	France	I, CivS, PM, M	100 000	France
230	Web article	INRA-Ferlus	L'agroforesterie expérimentée à Lusignan	26 Mar 2015	France	I, CivS, PM, M	10 000	France
231	Newspaper article	INRA-Ferlus	Le pâturage prend de la hauteur. France Agricole, p. 31.	24 Apr 2015	France	I, CivS, PM, M	100 000	France
232	Newspaper article	INRA-Ferlus	Le réchauffement fait de l'ombre à l'élevage. La Recherche, 501-502, p. 86-89.	July-August 2015	France	Sc, I, CivS, PM, M	100 000	France
233	Web site	AGROOF	AGFORWARD news item on Agroof website http://www.agroof.net/agroof_dev/agroof_agforward.html	01/2015	France	SC, I, Ed		Europe
234	Newsletter	LBI	1 st Newsletter Agroforestry NL http://www.louisbolk.org/downloads/3073.pdf	3 Apr 2015	NL	I, CivS, Sc	200	NL
235	Newsletter	IBAF	Pisanelli A., Santiago J., Rosati A., Mosquera R., 2015. Agroforestry policies in the EU in the RPDs 2007-2013. EURAF Newsletter N°11, May 2015. https://euraf.isa.utl.pt/sites/default/files/pub/docs/euraf_newsletter_may_2015.pdf	May 2015		SC, PM, I		Europe
236	Newsletter	LBI	2 nd Newsletter Agroforestry NL http://www.louisbolk.org/downloads/3074.pdf	10 Jun 2015	NL	I, CivS, Sc	225	NL
237	Newsletter	EVD	Herzog F., Junquera V., Szerencsits E., Jaeger M. (2015) Vom traditionellen Hochstamm-Feldobstgarten zum modernen Agroforstsystem. In: Bulletin SGWP/SSA n° 27, p. 15.					
238	Article in farmers' magazine	LBI	Bestman, M., Bloksma, J., Manintveld, A. (2015). Kip in 't fruit, boom in de uitloop. Samenwerking fruittelers en pluimveebedrijven biedt kansen. Ekoland juli/aug: 24-26.	15 Jun 2015	NL	Organic sector	2200	NL
239	Newspaper article	AFBI	Moore, O. (2015) Mutton and hurleys to save the world. Online at: http://olivermoore.blogspot.it/2015/08/agroforestry-saving-world-with-mutton.html and in press Irish Examiner, 30 July 2015 http://olivermoore.blogspot.it/2015/08/agroforestry-saving-world-with-mutton.html	30 Jul 2015	Ireland	SC, PM, I, CivS		UK and Ireland

			ry-saving-world-with-mutton.html					
240	Research report	LBI	Bestman, M., Verwer, C., Stoffelsma, M. (2015). Geiten in de Leemkuilen: effect op vegetatie en diergezondheid. LBI report 2015-038 LbD.	15 Aug 2015	NL	Organic goat farmers	unlimited	NL
241	Newspaper article	AFBI	Lunny, R (2015). Agroforestry's Perfect for Donegal . Finn Valley Voice (Vol. 7, Issue 11)	Sep 2015	Donegal, Ireland	CivS		Ireland North and South
242	Website article	AFBI	Moore, O. (2015) Agroforestry: saving the world with meat and sport. http://www.farmingfutures.org.uk/blog/agroforestry-saving-world-meat-and-sport	28 Sept 2015	Ireland	I, SC		Europe
243	ORC Bulletin 119 article	ORC	'Who says vegetables don't fit in agroforestry?' Jo Smith	Autumn/Winter 2015	UK	I, SC, PM, CivS	~200	UK, Europe
244	EURAF Newsletter 17 article	ORC	Jo Smith: 'Farming biodiversity: a new organic agroforestry system'	May 2016	Europe	SC, CivS	200+	Europe
Field visits								
245	Flyers	LBI	Leaflet 'Boomteelt op veehouderijbedrijven'; Thematic 'exhibition' on agroforestry for livestock farmers on organic fair	21-22 Jan 2015	Zwolle, NL	Farmers	12,000	NL
246	Open day	Veneto	Open day for young farmers : Agroforestry and Wild Botany Biodiversity in farmland. Opportunity from the next Rural Develop Programme (2014-2020)	12 March 2015	Legnaro, Padova Italy	Young farmers	200	Italy
247	Field visit at a scientific event	ORC	Smith, J. (2015). Agroforestry at the Organic Research Centre. Tour of Elm Farm silvopastoral site at Farm Woodland Forum Annual General Meeting. http://www.organicresearchcentre.com/manage/authorincludes/article_uploads/ORC%20AGROFORESTRY%202015.pdf	18 May 2015	Newbury, UK	SC, PM, I, Ed	50	UK, Ireland
248	Field visit	AFBI	McAdam, J. (2015) Agroforestry experimental research facility farm visit to Agricultural Historical Society of Ireland	5 Jun 2015	Armagh	SC, PM	37	Ireland
249	Field visit	AFBI	McAdam, J. (2015) Agroforestry experimental research facility farm visit for the Agricultural and Rural Development (ARD) Committee	3 Jul 2015	Armagh	PM	4	Northern Ireland
253	Visit of agroforestry	INRA-	Visit by several groups of students of the	Several days	Lusignan,	Ed	80	France

	plots	Ferlus	agroforestry plots of INRA Lusignan.	in 2015 and 2016	France			
254	Visit of agroforestry plots	INRA-Ferlus	Visit by several groups of farmers of the agroforestry plots of INRA Lusignan.	Several days in 2015	Lusignan, France	I	30	France
255	Visit of agroforestry plots	INRA-Ferlus	Visit of the agroforestry plots of INRA Lusignan by the participants of the french agroforestry projet "Arbele".	7 Jul 2015	Lusignan, France	Sc, Ed, I	12	France
257	Visit of agroforestry plots	AFBI	McAdam, J. (2015) Agroforestry experimental research facility farm visit for Armagh City Council	10 Jul 2015	Armagh	PM	8	Northern Ireland
256	Visits of experimental agroforestry plots	INRA	Visit by several groups of farmers, teachers, students of our experimental sites in Restinclières	Apr-Jun 2015	Montpellier	I, Ed	150	France
258	Stakeholder meeting presentation	NYME KKK	Varga A. Past, present and future of the wood pastures in the Bakony-Balaton region and AGFORWARD project. Event: Herder meeting of the Balaton-Bakony region	14 Nov 2015	Nemesvámos	I, CivS		
259	Workshop	CRAN	Grazed orchards in England and Wales wtakeholder meeting	16 Dec 2015	Herefordshire, UK	I	20	UK
260	Workshop	INRA	Valérie Viaud, Claudine Thenail & Valentin Cabon participated in a debate organized by "Terres & Bocage" Association, attended by farmers and extension workers	29 April 2016	Moncontour Brittany, France	I,	30	France
261	Stakeholder meeting presentation	NYME KKK	Vityi A. (2016).Participatory research and development in AGFORWARD project Event: Stakeholder meeting and establishment of the Hungarian Agroforestry Civil Association	6 May 2016	Fajsz	I, SC	20	Hungary
262	Visit of agroforestry plots	INRA-Ferlus	Visit by the leaders of the french agroforestry projet "Bois UE" of the agroforestry fields, boundary hedgerows and wood of INRA Lusignan.	9 May 2016	Lusignan, France	Sc	3	France
263	Stakeholder meeting presentation	NYME KKK	Varga A. (2016) Silvopastoral systems. Herder and stakeholder meeting of South Hungary (Somogy, Baranya county)	24 Jun.2016	Szena	I, CivS, SC	32	Hungary
264	Stakeholder workshop	ORC	'Agroforestry for Growers' with Organic vegetable growers	30 Nov 2015	Whitchurch on Thames, UK	I	40	UK
265	Workshop	INRA-	Towards farms with positive energy: the OasYs	3 Dec 2015	Lycée agricole	Ed, I	20	France

	presentation	Ferlus	system-experiment		Melle, France			
266	Stand exhibition	INRA-Ferlus	Agriculture and innovation: OasYs, an agroecological dairy system. Paris International Agricultural Show	27 Feb – 6 Mar 2016	Paris, France	I, CivS, PM, M	250	France
Policy development								
267	Policy Development	AFBI	McAdam, J. (2015) Agro-Forestry input on Pg 4 within the CAP Clarification document https://www.dardni.gov.uk/articles/2014-2020-rural-development-programme . Online: https://www.dardni.gov.uk/articles/2014-2020-rural-development-programme	2015		PM		Northern Ireland
268	Policy Development	AFBI	McAdam, J. (2015) The Northern Ireland, Agricultural and Rural Development (ARD) Agricultural and Rural Development (ARD) Committee visit to Agroforestry experimental research facility Loughgall	03 Jul. 2015	Loughgall, Northern Ireland	PM	6	Northern Ireland
269	Policy Development	AFBI	McAdam, J. (2015) Representatives of the Armagh City Council visit the Agroforestry experimental research facility at Loughgall	10 Jul 2015	Loughgall, Northern Ireland	PM	8	Northern Ireland
270	Policy Development	AFBI	McAdam, J. (2015) Input to the development of the Rural Development Plan 2014-2020 M08 - Agroforestry measures Option 17 on Pg 237 of draft RDP. Online: https://www.dardni.gov.uk/search?query=cap+reform+policy+clarification&edit-submit-	10. Aug. 2015		SC, PM		Northern Ireland
Technology transfer								
271	Technology Transfer	AFBI	McAdam, J.H. (2015). Hill Farming Committee visit AFBI Loughgall.	2015	Loughgall, Northern Ireland			Northern Ireland
272	Technology Transfer	AFBI	Ward, F.R. (2015). Greenmount Student visit to Top Fruit and Agroforestry Research Programmes.	2015	Loughgall, Northern Ireland	Ed	18	Northern Ireland
273	Technology Transfer	AFBI	McAdam, J. (2015) The Agricultural History Society of Ireland Conference Delegates Farm Trip to the Agroforestry experimental research facility at Loughgall	1 Jun. 2015	Loughgall, Northern Ireland	SC, PM, I	37	Ireland North and South

274	Technology Transfer	AFBI	Ward, F. (2015) CAFRE staff and Agricultural Students visit the Agroforestry experimental research facility at Loughgall	17 Sept 2015	Loughgall, Northern Ireland	Ed	45	Northern Ireland
275	Technology Transfer	AFBI	Ward, F. (2016) CAFRE staff and Agriculture Degree students visit Loughgall orchards and AgForward Orchard Grazing trial	28 Apr. 2016	Loughgall, Northern Ireland	Ed	14	Northern Ireland
276	Technology Transfer	AFBI	Aur�lie, A. (2016) Esmor Wyn Hughes From Glynllifon College in Wales staff and students visit the Agroforestry programme at Loughgall	23 May 2016	Loughgall, Northern Ireland	Ed	49	Welsh
277	Technology Transfer	AFBI	McAdam, J.H. (2016). Queens University Senior Staff visit to the Agroforestry Research Programme at AFBI Loughgall	8 Jun 2016	Loughgall, Northern Ireland	Ed	10	Northern Ireland
Flyers								
278	Flyers	ISA	Feria Internacional da Cortica 2015, Coruche http://www.ficor.com.pt/custompages/showpage.aspx?pageid=e67358eb-fc46-4aef-92af-126568598062&m=b1060	28 May 2015	Coruche Portugal	CivS	300	Portugal
279	Flyers	ISA	Feria Internacional da Cortica 2016 (Coruche) http://www.ficor.com.pt/CustomPages/ShowPage.aspx?pageid=2ded6b91-0fa5-4d77-b20a-d8cc0564e84f	26-29 May 2016	Coruche Portugal	CivS	300	Portugal
280	Flyers	ISA	53th National Agriculture fair (Santar�m) http://feiranacionalagricultura.pt	4-12 June 2016	Santar�m, Portugal	CivS	1000	
Education								
281	Course	INRA-Ferlus	Innovating on cattle production	29/09/2015,	Lusignan, France	Ed	20	France
282	Course	INRA-Ferlus	Innovating on cattle production	14/12/2015,	Lusignan, France	Ed	20	France
283	Course	INRA-Ferlus	Innovating on cattle production	8/03/2016	Lusignan, France	Ed	20	France
30 June 2016 to 31 December 2017								
Website/social media								
284	Website	CRAN/AGROOF	Updating and maintaining the AGFORWARD web-page (www.agforward.eu)	1 Jul 2016-31 Dec 2017	Worldwide web	SC, I, CivS, Pol, M, Ed	1000	World
285	Facebook	CRAN	Updating and maintaining the AGFORWARD Facebook account	1 Jul 2016-31 Dec 2017	Worldwide web	CivS	1000	World

286	Flickr	EFI	Updating and maintaining AGFORWARD Flickr account	1 Jul 2016-31 Dec 2017	Worldwide web	CivS	1000	World
287	Twitter	EFI	Posting updates on AGFORWARD twitter account	1 Jul 2016-31 Dec 2017	Worldwide web	SC, I, CivS, Pol, M, Ed	1000	World
288	Website	LBI	Continuation of Dutch agroforestry website: www.agro-forestry.nl	1 Jul 2016-31 Dec 2017	Worldwide web	I, CivS, PM, M	1000	Belgium, The Netherlands
289	Website	FDEA	Start of the Swiss agroforestry website: www.agroforst.ch	1 Jul 2016-31 Dec 2017	World wide web	I, CivS, Pol, M	1000	Switzerland
290	Website	LBI	Update of table with nutritional value of fodder trees http://www.voederbomen.nl/voederwaarden	Dec 2017	World wide web	I, CivS, PM, Ed	1000	Europe
291	Website	USC	Creation of AGFORWARD items on USC website http://www.usc.es/es/index.html	1 Jul 2016-31 Dec 2017	Worldwide web	SC, I, CivS, M, Ed	1000	Spain
292	Website	TEI	AGFORWARD results presented on AGROF MM ERASMUS+ web-page http://www.velanidodasos.gr/articles/one/201/	3 Oct 2017	Worldwide web	I	25	Greece
293	Website	LBI	Update of AGFORWARD information on LBI website: www.louisbolk.org/sustainable-agriculture/agriculture-and-nature-conservation/agroforestry-2	Oct 2017	Worldwide web	I, CivS, PM, M	1000	Netherlands
294	Website	APCA	Continuation of Hauts-de-France agriculture website: http://www.hautsdefrance.chambres-agriculture.fr/publications/la-publication-en-detail/actualites/biodiversite-en-pratique-lagroforesterie-queelles-influences-sur-les-adventices/	1 Jul 2017 to 31 Dec 2017	Worldwide web	SC, I, Pol, M	1000	France
295	Facebook	SoE KKK	Continuation of Fás-Legelő-Erdő / Wood pastures in Hungary site: https://www.facebook.com/faslegeloerdo/posts/662827960556723	1 Jul 2016-31 Dec 2017	Worldwide web	I, CivS, Pol, M	1500	Hungary
296	Facebook	ISA	Promotion of AGFORWARD results on ISA AFINET Facebook page https://www.facebook.com/groups/239821656526741/	1 Jul 2017 to 31 Dec 2017	Worldwide web	CivS	308	Portugal
297	Mobile application	BTU	Tsonkova P, Böhm C, Agroforestry systems studied by AGFORWARD used as visualization in a mobile application for agroforestry: http://agroforst-	1 Jul 2017 to 31 Dec 2017	World wide web	I, CivS, Pol, M, Ed	100	Germany

			info.de/app/					
Videos								
298	Video	VEN	G. Mezzalana et al. video on Focus group on agroforestry at Vallevecchi Pilot Farm (In Italian) https://www.youtube.com/watch?v=31wjOEh9LZA	21 Mar 2017	Caorle-Venice, Italy	CivS	100	Italy
299	Videos	ORC	Trees and vegetable production: an integrated system https://www.youtube.com/watch?v=Onlo4_dfSiQ	Apr 2017	Worldwide web	I, CivS, M	100	International
300	Videos	ORC	Tolly's agroforestry trials https://vimeo.com/228396780#at=5	Aug 2017	Worldwide	I, CivS, M	100	International
301	Videos	ORC	Vital Veg: agroforestry and vegetable production in North East Scotland https://www.youtube.com/watch?v=gPEMcwK5kds&t=18s	Aug 2017	Worldwide web	I, CivS, M	1--	International
Television and radio								
302	Radio program	UBB	Presentation about the value of large old trees by Tibor Hartel http://kolozsvariradio.ro/2016/06/12/mit-tudnak-az-erdelyi-oreg-fak/	16 Jun 2016	Radio Cluj in	CivS	100000	Hungary
303	TV program	UBB	Presentation of ancient wood-pastures by Tibor Hartel http://www.vajdasag.eu/erdelyi-termeszetvedok-a-kozmediaban	6 Aug 2016	DUNA TV	CivS	100000	Hungary
304	TV program	SoE KKK	Anna Varga: Hungarian wood pastures https://www.youtube.com/watch?v=OVeBEYc3tdk	12 Nov 2016	Duna TV	CivS	500000	Hungary
305	TV program	UEX	El papel de la dehesa en la lucha contra el cambio climático. Canal Extremadura "Fuera de tiempo". http://www.canalextremadura.es/alacarta/tv/videos/fuera-de-tiempo-170217	14 Feb 2017	Canal Extremadura	CivS	100000	Spain
306	TV program	UEX	Elaboration for the Extremadura regional television channel of a short film on Landscape mosaics and resilience. Available at: http://www.canalextremadura.es/alacarta/tv/videos/fuera-de-tiempo-020617	02 Jun 2017	Canal Extremadura	CivS	200000	Spain (Region of Extremadura)
307	Radio program	SoE KKK	A Hely: A Kasztói őstölgyes (Ancient oaks at Kasztó)	21 Jun 2017	Kossuth Rádió	CivS	500000	Hungary
308	TV program	SoE KKK	Vándorló fák (Moving trees)	28 Jun 2017	Bogyiszló Tv,	CivS	500000	Hungary

			http://tudositok.hu/14906/video/Vandorlo_fak		Tolna Tv			
309	Radio	USC	Radio interview by Rosa Mosquera-Losada about the agroforestry practices and the forest fires in Galicia	Oct 2017	COPE/SER	CivS	1000	Spain
310	TV program	UBB	Presentation of wood-pastures by Tibor Hartel, including the results of the AGFORWARD project regarding the importance of scattered trees for spider communities	3 Nov 2017	Duna TV	CivS	100000	Hungary
311	Radio	AGROOF	Radio interview - RGO	16 Nov 2017	Alès (30)	CivS	5000	France
Conference organisation								
312	Conference session organisation	CRAN	Agroforestry workshop and field visit at the International Farming Systems Association Conference	13 Jul 2016	Harper Adams University, UK	SC	40	Europe
313	Organisation of scientific event	INRA, AGROOF	RMT Agroforesteries event	14-15 sept 2016	Montpellier, France	SC	40	France
314	Organisation of scientific event	INRA, AGROOF	RMT Agroforesteries event	31 Jan -1 Feb 2017	Montpellier, France	SC	40	France
315	Conference session organisation	ORC	11 th Organic Producers Conference Session: Silvoarable Agroforestry	2 Feb 2017	Aston University, UK	SC, I, Pol	40	UK
316	Conference organisation	CNR	EGF2017 - 19th Symposium of the European Grassland Federation "Grassland resources for extensive farming systems in marginal lands: major drivers and future scenarios". Key notes and oral presentations on AF and AGFORWARD	8-10 May 2017	Alghero (Italy)	SC, Ed, Pol	200	World
317	Festival organisation	– SoE KKK	SoE-KKK with MTA ÖK: Organisation of the festival and agroforestry workshop , oral presentations and field trip Fás legelők napja és Pásztorünnep (Wood Pasture and Herder Festival)	3 Jun 2017	Olaszfa, Hungary	I, CivS, PM, M, SC	250	Hungary
318	Conference organisation	UCPH	Landscape Futures	19-21 Jun 2017	Copenhagen , Denmark	Sc, I, Ed	250	Europe
319	Conference	CRAN	Host of "UK Agroforestry 2017" conference	22 Jun 2017	Cranfield UK	I, SC, CivS,	250	UK, Ireland

	organisation		http://www.agforward.eu/index.php/en/news-reader/id-22-june-2017.html			Pol, M, Ed		
320	Conference organisation	CRAN	Organisation of Practical Agroforestry in the UK: Farm Woodland Forum Conference at Cranfield University.	23 Jun 2017	Cranfield University, UK	SC, I, Ed	50	UK, Ireland
321	Conference organisation	SoE KKK	SoE KKK together with NAIK organised the 2nd Hungarian National Agroforestry Forum) (in Co-Organisation with NAIK). Organisation of the forum and oral presentation - Vityi A: Hazai és nemzetközi agroerdészeti kutatások eredményei az AGFORWARD projektben (National and international research results in AGFORWARD project)	6 Jul 2017	Püspökladány, Hungary	I, Pol, CivS, M, SC	150	Hungary
322	Conference organisation	TEI/USC/ EURAF	Organisation of the agroforestry session "Agroforestry and Environment" at 15 th International Conference on Environmental Science and Technology	31 Aug - 2 Sept 2017	Rhodes, Greece	SC, CivS, Ed	100	International
323	Conference organisation	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
324	Conference organisation	USC/TEI/ EURAF	Organisation of the agroforestry session "Agroecology and Agroforestry" at First Agroecology Forum	25-27 Oct 2017	Lyon, France	SC, CivS, Ed	100	International
325	Conference organisation	UEX	Alternative Tree Crops, co-organized with the Cáceres Provincial Council.	13 Nov 2017	Perales del Puerto, Extremadura, Spain	CivS, Pol, Ed	120	Spain
326	Conference organisation	Wer/CRA N/EURAF	"1 + 1 = 3" Agroforestry Meeting at European Parliament	29 Nov 2017	European Parliament, Brussels	SC, I, CivS, Pol, M, Ed	85	Belgium, Rest of EU
327	Conference organisation	EURAF/LBI	Initial meetings preparing for 4 th European Agroforestry Federation Conference at Nijmegen (28-31 May 2018)	28-31 May 2018	Nijmegen, Netherlands	SC, I, CivS, Pol, M, Ed	25	Europe
Oral presentations								

328	Oral presentation at scientific event	USC	María Rosa Mosquera-Losada. Agroforestry to mitigate GHG emissions. Presentation at Animal Health Network Workshop, Elsinore, Denmark	15 Mar 2016	Elsinore, Denmark	SC	100	International
329	Oral presentation at scientific event	TEI	Pantera A. et al.: Agroforestry for High Value Tree Systems: systems description at: 13th International Conference on Protection and Restoration of the Environment,	3-8 Jul 2016	Mykonos, Greece	SC	100	International
330	Oral presentation at scientific event	CNR	Paris, P. et al.: Alley coppice: an evaluation of integrating short rotation coppice and timber trees at: IFSA Congress, Harper Adams University	13 Jul 2016	Harper Adams University, UK	SC, Pol	20	Europe
331	Oral presentation at scientific event	VEN/CRA N	Bondesan V, Sartoni A, Ricardi F, Burgess PJ (2016). Consumer perceptions and behaviours regarding traditional pork products from agroforestry pigs in Veneto region (north-east Italy). Paper presented at IFSA Conference 12-15 July 2016.	13 Jul 2016	Harper Adams University, UK	SC, Pol	20	Europe
332	Oral presentation at scientific event	ORC	Smith J, Wolfe M, Crossland M (2016). Silvoarable agroforestry: an alternative approach to apple production? Paper presented at IFSA Conference 12-15 July 2016.	13 Jul 2016	Harper Adams University, UK	SC, Pol	20	Europe
333	Oral presentation at scientific event	BTU	Mirck J, Kanzler M, Boehm C, Freese D (2016). Sugar beet yields in an alley cropping system during a dry summer. Paper presented at IFSA Conference 12-15 July 2016.	13 Jul 2016	Harper Adams University, UK	SC, Pol	20	Europe
334	Oral presentation at scientific event	ORC	Westaway S, Chambers M, Crossland M, Smith J, Wolton R (2016). Managing traditional hedges for biofuel. Paper presented at IFSA Conference 12-15 July 2016.	13 Jul 2016	Harper Adams University, UK	SC, Pol	20	Europe
335	Oral presentation at scientific event	UBB	T. Hartel presents the conference 'Farming landscapes of Transylvania: perspectives and challenges'. Slides are accessible here: https://www.slideshare.net/harteltibor/peisaje-agrare-abordare-socialecologica	2 Aug 2016	Galeria Posibila, Bucharest		50	Hungary
336	Oral presentation	AU	<u>Including trees in pasture-based pig systems to improve animal welfare and eco-efficiency..</u>	29 Aug 2016	Belfast, UK	SC	40	Europe

	at scientific event		Presentation at 67 th Annual Meeting of the European Federation of Animal Science					
337	Oral presentation at scientific event	ISA	Paulo, J. A., Palma, J. H. N., Firmino, P. N., Pereira, H., Tomé, M. Assessing the impact of induced stress by cork oak tree debarking in cork caliper and tree growth: first results on long term monitoring experiments at 5 th International Ecosummit. DOI: 10.13140/RG.2.2.30378.41929	29 Aug – 1 st Sept 2016	Montpellier, France.	SC	1000	International
338	Oral presentation at scientific event	USC	María Rosa Mosquera-Losada. Amazing grazing in periods of drought. Presentation at 67 th Annual Meeting of the European Federation of Animal Science	29 Aug-2 Sept 2016	Belfast, UK	SC	100	Europe
339	Oral presentation at scientific event	AFBI	Jim McAdam presented “Silvopasture is a sustainable option in grassland systems”. Paper presented to the European Association of Animal Production Congress. Session 41	1 Sep 2016	Belfast, UK	SC	100	Europe
340	Oral presentation at scientific event	UCPH,	Tobias Plieninger presented: “European wood-pastures in transition – A social-ecological analysis and some reflections on the wood-pastures of Iran”, Keynote at University of Kurdistan	10 Sep 2016	Sanandaj, Iran	SC, I, Ed	50	Iran
341	Oral presentation at scientific event	CNR	Paris P, Subsurface Drip Irrigation in Poplar Bioenergy Systems: Biomass Production and Economic Evaluation in Mediterranean Climate, FAO Int. Poplar Commission (IPC)	15 Sep 2016	Berlin, GER	SC, Pol	20	Germany
342	Oral presentation at scientific event	BTU	Jaconette Mirck presented “Poplar and black locust yields from short rotation coppice hedgerows in an alley cropping system” at 25 th Session of the International Poplar Commission	13-16 Sept 2016	Berlin, Germany	SC, Pol	150	International
343	Oral presentation at scientific event	CNR	Piero Paris presented “Subsurface drip irrigation in poplar bioenergy systems” at the 15 th Meeting of the International Poplar Commission	13-16 Sep 2016	Berlin, Germany	SC, Pol	20	International
344	Oral presentation at scientific event	EVD	Sonia Kay made presentation on “Developing methods for the evaluation of ecosystem services provided by agroforestry at the landscape scale” at European Ecosystem Services Conference	20 Sep 2016	Antwerp, Belgium	SC, I, CivS, Pol, M, Ed	90	Europe

345	Oral presentation at scientific event	UCPH	Mario Torralba presented “Do European agroforestry systems enhance biodiversity and ecosystem services? A meta-analysis” at World-Congress on Silvo-Pastoral Systems	26 Sep 2016	Evora, Portugal	SC, Ed	30	International
346	Oral presentation at scientific event	UCPH	Tobias Plieninger presented “Linkages between ecosystem services, land-use and wellbeing in a silvopastoral landscape in Trujillo, Spain” at World-Congress on Silvo-Pastoral Systems	26 Sep 2016	Evora, Portugal	SC, Ed	70	International
347	Oral presentation at scientific event	EFI	Mercedes Rois-Díaz et al presented “Farmers’ reasoning behind the uptake of agroforestry practices: evidence from multiple case-studies across Europe” at World Congress on Silvo-Pastoral Systems	27 Sep 2016	Évora, Portugal	SC, Pol, M, Ed	200	International
348	Oral presentation to a scientific event	ISA	Paulo, J. A., Palma, J. H. N., Gomes, A. A., Faías, S. P., Tomé, M. “Predicting site index from climate and soil variables for cork oak (<i>Quercus suber</i> L.) stands in Portugal” at World Congress on Silvo-Pastoral Systems	27-30 Sept 2016.	Evora, Portugal	SC	250	International
349	Oral presentation at scientific event	UEX	Ana Hernández-Esteban presented “Persistence of legumes in dehesa system influence on productivity and pasture quality” at World Congress on Silvo-Pastoral Systems	27-30 Sep 2016	Evora, Portugal	SC	300	International
350	Oral presentation at scientific event	UEX	Gerardo Moreno presented “Potential changes on pasture productivity and grazing intensity in iberian dehesas driven by atmospheric nitrogen deposition” at the World Congress on Silvo-Pastoral Systems	27-30 Sep 2016	Evora, Portugal	SC	300	International
351	Oral presentation at scientific event	UEX	Gerardo Moreno presented “Challenges and potential innovations to improve the resilience European wood-pastures” at the World Congress on Silvo-Pastoral Systems	27-30 Sep 2016	Evora, Portugal	SC	300	International
352	Oral presentation at scientific event	UEX	Fernando Pulido presented “Can rodent acorn dispersal be manipulated to promote tree regeneration? a test using woody debris as shelter for dispersers and seedlings in grazed oak woodlands “ at World Congress on Silvo-Pastoral	27-30 Sep 2016	Évora Portugal	SC	300	International

			Systems.					
353	Oral presentation at 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
354	Oral presentation at scientific event	SoE-KKK & EURAF	Vityi A., Mosquera-Losada R, Borek R: The role of agroforestry innovation networks in the rural development of the Eastern European region. at: 14 th ERDN Conference	3-5 Oct 2016	Budapest	I, CivS, Pol, M,Ed	100-150	European
355	Oral presentation at scientific event	EVD	A. Dind made presentation on “The perception of ecosystem services in the wooded pastures of the Swiss Franches-Montagnes: an assessment using public participation GIS”	5 Oct 2016	Zurich, Switzerland	SC	5	Switzerland
356	Oral presentation at scientific event	EVD	Sonia Kay made presentation on spatial-mapping and assessment of ecosystem services on landscape scale provided by agroforestry systems. Presentation at University of Zurich	18 Oct 2016	Zurich, Switzerland	SC, Ed	30	Switzerland
357	Oral presentation at scientific event	TEI	Valonia oak of Xeromero – Aetolakarnania, the largest silvopastoral system of the species in Greece and in the Mediterranean basin: ecological and socioeconomical aspects by Papadopoulos	24-29 Oct 2016	Marseille, France	SC	1000	European, French mostly
358	Oral presentation at technical workshop	INRA-Ferlus	Presentation of the agroforestry system of INRA Lusignan	8 Nov 2016	Boussac, France	I, Pol, Ed	50	France
359	Oral presentation at scientific event	USC	Rosa Mosquera-Losada presented “The innovation in the agroforestry sector: a European perspective” at International Congress of Life ecocitric, Val d’Uixo, Spain	16-17 Nov 2016	Val d’Uixo, Spain	SC	100	Spain
360	Oral presentation at scientific event	EFI	Michael den Herder et al. presented “Current extent and distribution of agroforestry in Europe. Presentation” at the EFI Forum (internal presentation series for whole EFI held on a monthly basis with video connection to regional EFI offices).	27 Nov 2016	Joensuu, Finland	SC	30	Europe
361	Oral presentation	USC	Rosa Mosquera-Losada presented “Production of chestnuts under an agroforestry management in	29 Nov 2016	Caldes de Montbui ,	SC	100	Spain

	at scientific event		Galicia” at II Jornada de Arboricultura Forestal		Barcelona, Spain			
362	Oral presentation at scientific event	BTU	Mirck J, Kanzler M, and Böhm C presented “Yield performance of an alley cropping system with short rotation coppice hedgerows”	1 Dec 2016	Senftenberg, Germany	SC, Ed, Pol, M	120	Germany
363	Oral presentation	EVD	E. Kühn made presentation on „Nahrungsangebot von Kirschbäumen für Bestäuber in Agroforstsystemen am Beispiel von B. terrestris und O. Bicornis“	6 Dec 2016	Zurich, Switzerland	I, SC, Ed	20	Switzerland
364	Oral presentation to teachers	INRA SYSTEM	Delphine Mézière presented “Research and Development for Agroforestry Deployment”	15 Dec 2016	Florac, France	SC, CivS	35	France
365	Oral presentation	LBI	Staff from LBI, together with staff from the Dutch Agroforestry Network and Duinboeren, made presentations at the start-up of new agroforestry network: “Fodder trees: why and how?”	15 Dec 2016	Helvoirt, The Netherlands	I, Pol, Ed	35	The Netherlands
366	Oral presentation	ORC	Jo Smith presented “What have we learnt from recent research” in the “Agroforestry – making it happen” session at the Oxford Real Farming Conference.	3 Jan 2017	Oxford, UK	SC, I, CivS, Pol, M, Ed	70	UK
367	Oral presentation at scientific event	INRA-Ferlus	Presentation of the agroforestry system of INRA Lusignan	1 Feb 2017	Paris, France	SC, I, Pol, Ed	100	France
368	Oral presentation at scientific event	CRAN	Paul Burges made presentation on “The Economics of Silvoarable Agroforestry” at the UK Organic Producers Conference	2 Feb 2017	Aston University, UK	I	30	UK
369	Oral presentation at technical workshop	INRA-Ferlus	Presentation of the agroforestry system of INRA Lusignan and the first results on fodder trees and shrubs, at technical workshop on agroforestry	14 Feb 2017	Le Wast, France	I	60	France
370	Oral presentation	EVD	S. Siedler made presentation on „Untersuchungen zur Wurzelverteilung in einem Schweizer Agroforstsystem“	13 Mar 2017	Zurich, Switzerland	I, SC, Ed	20	Switzerland

371	Oral presentation at scientific event	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, Hungary	I, CivS, SC, Ed	250	Hungary
372	Oral presentation at technical workshop	INRA-Ferlus	Presentation of the agroforestry system of INRA Lusignan and the first results on fodder trees and shrubs, at technical workshop on agroforestry for livestock systems	29-30 Mar 2017	Mirabel, France	I, Ed, SC	30	France
373	Oral presentation at scientific event	LBI	Quantification of the nutritional value of fodder trees: a case study	6 Apr 2017	Driebergen, The Netherlands	SC, Ed	30	The Netherlands
374	Oral presentation at scientific event	SoE KKK	SoE KKK with SoE EMKI: Vityi A, Czupy I: Dendromass utilization – System management and carbon sequestration. Workshop. at: Workshop on Carbon-metabolism in Forest Ecosystems	11-12 Apr 2017	Sopron, Hungary	SC, I, Ed	50	Germany, Hungary
375	Oral presentation at public event	UEX	Gerardo Moreno and Fernando Pulido presented "Challenges for the dehesas" during the "Green Week for the Dehesa" organized by the Government of Badajoz province	18 Apr 2017	La Cocosa farm, Badajoz	CivS	100	Spain
376	Oral presentation at scientific event	SoEKKK	Gastronomy and conservation: using foodism to change the discourse. Anna Varga's talk at Conservation Summit in London https://www.conservationoptimism.org/	20-22 April 2017	London	CivS	150	UK
377	Oral presentation at scientific event	UEX	Óscar Santamaría presented "Tree effects on the production and quality of forage by different cultivars of Triticale in dehesas" at the 56th Scientific meeting of the Spanish Grasslands Society	25-28 Apr 2017	Barcelona, Spain	SC	150	Spain
378	Oral presentation at scientific event	UCPH	Tobias Plieninger presented keynote presentation on "Ecological and social perspectives of European wooded grasslands" at 19 th Symposium of the European Grassland Federation	28 Apr 2017	Alghero, Italy	SC, I, Ed	150	Europe
379	Oral presentation	CRAN	"Cost-benefit analyses of two silvopastoral agroforestry practices" poster and presentation at	4 May 2017	Cranfield, UK	SC, Ed, I	50	UK

	at scientific event		the Cranfield Group Project Exhibition					
380	Oral presentation to industrial audience	UEX	Gerardo Moreno presented “The eligibility of wood pastures for CAP payments” at a meeting of the Spanish Association of Extensive Cattle Breeders (UGAVAN)	4 May 2017	Salamanca, Spain	CivS, Pol, I	100	Spain
381	Oral presentation at scientific event	CNR	C. Porqueddu and A. Franca et al. made a presentation on “The role of grasslands in less favoured areas” at the 19th Symposium European Grassland Federation	8-10 May 2017	Alghero, Sardinia, Italy	SC, Pol	100	European
382	Oral presentation at scientific event	UEX	Ana Hernández made a presentation on “Sown permanent pastures rich in legumes in Iberian Dehesas: influence on biodiversity and soil carbon sequestration” at the 19 th Symposium of the European Grassland Federation	8-10 May 2017	Alghero, Sardinia, Italy	SC	200	Europe
383	Oral presentation at scientific event	UBB	Tibi Hartel presented ‘Wood-pastures as social-ecological systems’, within the event ‘New fronts in Restoration Ecology’ organized at Hungarian Academy of Sciences	11 May 2017	Budapest	SC	50	Hungary
384	Oral presentation	LBI	Staff from LBI made a presentation on range plantation and wild birds in free range areas.	17 May 2017	Netherlands	I, Pol	15	Europe
385	Oral presentation	LBI	Staff from LBI, with staff from the Dutch Agroforestry Network made a presentation on experiences with fodder trees, at test locations	18 May 2017	Helvoirt, The Netherlands	I, Ed	35	The Netherlands
386	Oral presentation at scientific event	AFBI	Jim McAdam, made presentation on “Silvopastoral Agroforestry- an option to support delivery of sustainable grassland intensification” at the Wood Meadows and Wood Pastures Conference, Sheffield	24 May 2017	Sheffield Hallam University	SC	40	UK, EU
387	Oral presentation to a scientific event	ISA	Palma J.H.N., Paulo J.A., Tomé M. Webcorky – An online decision support tool to decide when stand debarking should occur. International Congress on Cork Oak Trees and Woodlands and 3 ^o National (Italian) Congress of Cork.	25-26 May 2017	Sassari, Italy	SC	300	International
388	Oral presentation	ISA	Crous-Duran J., Paulo J.A., Graves A.R., Tomé M., Palma J.H.N. Carbon balance estimation in cork oak	25-26 May 2017	Sassari, Italy	SC	300	International

	to a scientific event		woodlands compared to land use alternatives. International Congress on Cork Oak Trees and Woodlands and 3° National (Italian) Congress of Cork.					
389	Oral presentation to a scientific event	ISA	Faias SP., Paulo JA., Tomé M. Tree diameter growth Model for cork oak stands in Portugal. International Congress on Cork Oak Trees and Woodlands and 3° National (Italian) Congress of Cork.	25-26 May 2017	Sassari, Italy	SC	300	International
390	Oral presentation to a scientific event	ISA	Faias SP., Paulo JA., Tomé M. Competition pattern in young cork oak stands. Congress on Cork Oak Trees and Woodlands and 3° National (Italian) Congress of Cork.	25-26 May 2017	International Sassari, Italy	SC	300	International
391	Oral presentation to a scientific event	SoE KKK	Kiss-Szigeti N: The effects of agroforestry systems on biodiversity. at: 7 th Hungarian Landscape Ecology Conference	25-27 May 2017	Szeged, Hungary	SC, Ed	50	Hungary
392	Oral presentation to a scientific event	SoE KKK	SoE KKK with MTA ÖK. Anna Varga presented “Past, present and future of the wood pastures in the Bakony-Balaton region and AGFORWARD project.at: Fás legelők napja és Pásztorünnep” (Wood Pasture and Herder Festival)	3 Jun 2017	Olaszfa, Hungary	I, CivS, PM, M, SC	250	Hungary
393	Oral presentation to a scientific event	SoE KKK	SoE KKK with MTA ÖK. A Vityi presented “Agroerdészeti hálózati együttműködések, hazai és nemzetközi kutatások eredményei az AGFORWARD projektben (Cooperation among stakeholders and R+I results in AGFORWARD project) at: Fás legelők napja és Pásztorünnep (Wood Pasture and Herder Festival)	3 Jun 2017	Olaszfa, Hungary	principally for farmers but also CivS, PM, M, SC	250	Hungary
394	Oral presentation at scientific event	UEX	Gerardo Moreno presented “Dehesa and Climate Change” at the 5th Seminar of the Spanish Association of Weather presenters	4 Jun 2017	Cáceres	M	40	Spain
395	Oral presentation at scientific event	UCPH	Nora Fagenholm made a presentation entitled “European cross-site comparison of place-based ecosystem services in multifunctional rural landscapes” presentation at the Landscape Futures	19 Jun 2017	Copenhagen , Denmark	SC, I, Ed	5	Europe

			conference					
396	Oral presentation at scientific event	AU	Staff from AU made presentation on “Integrated production of tree biomass and piglets: Effect of paddock design on sow excretory behavior” at the NJF seminar 495: Organics for tomorrows food systems	19-21 Jun 2017	Mikkeli, Finland	SC, I	40	Finland, Sweden, Denmark, Norway
397	Oral presentation at scientific event	UBB	T. Hartel took part as an invited speaker together with Dr. Eszter Kelemen for plenary presentation entitled ‘Ecosystem services on the ground’ at the International Congress of the European Society of Ecological Economics. Full video here: https://www.youtube.com/watch?v=6S_nng3r5yY	20-22 Jun 2017	Budapest	SC	150	International
398	Oral presentation at scientific event	CRAN	Paul Burgess presented “Agroforestry in the UK: “Non-market” benefits” at the UK Agroforestry 2017 Conference	22 Jun 2017	Cranfield University, Bedfordshire	SC, I, CivS, Pol, M, Ed	250	UK, Ireland
399	Oral presentation at scientific event	CRAN	Paul Burgess presented “Agroforestry policy and the AGFORWARD project” at 2017 Farm Woodland Forum Meeting at Cranfield University	23 Jun 2017	Cranfield University, UK	SC, I, Ed, Pol	45	UK, Ireland
400	Oral presentation at scientific event	ORC/AFB I/ICRAF	Lawson G, Curran E, McAdam J, Strachan M, Pagella T, Smith J presented ‘Policies to encourage trees on farms in the UK and Ireland’ at the 2017 Farm Woodland Forum Meeting at Cranfield University, UK	23 Jun 2017	Cranfield University, UK	SC, I, Ed, Pol	45	UK and Ireland
401	Oral presentation at scientific event	UEX	Ana Hernández-Esteban presented “Selection of legume species to improve pastures as management practice for the mitigation and adaption of climate change” at the 7th Spanish Forestry Congress	23-30 Jun 2017	Plasencia, Spain	SC	1000	Spain
402	Oral presentation at scientific event	UEX	Yonathan Cáceres presented “Assisted regeneration of dehesas under different grazing schemes: evaluation of cost-efficient approaches” at the 7th Spanish Forestry Congress	23-30 Jun 2017	Plasencia, Spain	SC	1000	Spain
403	Oral presentation	USC	María Rosa Mosquera-Losada made a presentation entitled “Agroforestry Policy Forum” at the AFTA	27-29 Jun 2017	Virginia, USA	SC	100	International

	at scientific event		Conference					
404	Oral presentation	INRA DiaScope	Staff from INRA made a presentation on "Participatory approaches in Agroforestry"	4 Jul 2017	Montpellier, France	SC, CivS, I, Pol, Ed	150	France
405	Oral presentation at scientific event	SoE KKK	SoE KKK with NAIK: Vityi A: Hazai és nemzetközi agroerdészeti kutatások eredményei az AGFORWARD projektben (National and international research results in AGFORWARD project) at: 2. Magyar Agrár-erdészeti Fórum (2nd National Agroforestry Forum)	6 Jul 2017	Püspökladány, Hungary	I, CivS, PM, M, SC	150	Hungary
406	Oral presentation at scientific event.	AU	Staff from AU made a presentation on "Effect of paddock design on sow excretory behaviour in a pasture-based system with poplar trees" at the Annual Meeting of the European Association for Animal Production.	28 Aug 2017	Estonia	SC	40	Europe
407	Oral presentation in scientific event	TEI	Anastasia Pantera made a presentation on "Land cover changes in a valonia oak silvopastoral system in W. Greece – ecological and sociological implications" 15th International Conference on Environmental Science and Technology	31 Aug to 2 Sept 2017	Rhodes, Greece	SC	100	European
408	Oral presentation at scientific event	USC	Rosa Mosquera-Losada made a presentation on "Agroforestry and the CAP: a land use system to be promoted to fulfil sustainable development goals" at 15th International Conference on Environmental Science and Technology	31 Aug-2 Sep 2017	Rhodes, Greece	SC	100	International
409	Oral presentation at scientific event	USC	Rosa Mosquera-Losada made a presentation on "Agri-environment measures agroforestry European main agricultural driver is the commons agricultural policy (CAP)" at 15th International Conference on Environmental Science and Technology	31 Aug-2 Sep 2017	Rhodes, Greece	SC	100	International
410	Oral presentation at scientific event	CRAN	Silvestre Garcia de Jalon made a presentation on "Forage-SAFE: A tool to assess the management and economics of wood pastures" at 15th International Conference on Environmental Science and Technology	31 Aug – 2 Sep 2017	Rhodes, Greece	SC, I, CivS, Ed	30	Greece, EU

411	Oral presentation at scientific event	TEI	Anastasia Pantera et al. made a presentation on “The traditional agrosilvopastoral valonia oak systems in Kea island - Greece: productivity and ecosystem services” at 15th International Conference on Environmental Science and Technology Rhodes, Greece	31 Aug – 2 Sep 2017	Rhodes, Greece	SC, I, CivS, Ed	30	Greece, EU
412	Oral presentation at scientific event	EVD	Sonia Kay made presentation on “Effects of agroforestry systems on pollination services”. at 15th International Conference on Environmental Science and Technology Rhodes	31 Aug – 2 Sep 2017	Rhodes, Greece	SC, I, CivS, Ed	30	Greece, EU
413	Oral presentation at scientific event	INRA	Delphine Mézière and C Chevalier made a presentation on “Weed anagement in alley cropping agroforestry systems” at the “Croisons les regards #2” event organized by the French agroforestry network “RMT AgroforesterieS”	7 Sep 2017	Paris, France	SC, Ed, I	40	France
414	Oral presentation	INRA-Ferlus	INRA-Ferlus staff presented work on the agroforestry system of INRA Lusignan and the first results on fodder trees and shrubs at the “Croisons les regards #2” event organized by the French agroforestry network “RMT AgroforesterieS”.	7 Sep 2017	Paris, France	SC, I, Ed	40	France
415	Oral presentation at scientific event	UCPH,	Nora Fagenholm presented “European cross-site comparison of place-based ecosystem services in multifunctional rural landscapes” at the International Association of Landscape Ecology 2017 Conference	14 Sep 2017	Ghent, Belgium	SC, Ed	30	International
416	Oral presentation at scientific event	UCPH	Mario Torralba presented “Exploring the role of farm management in the co-production of ecosystem services in wood pastures of southwest Spain” at the International Association of Landscape Ecology 2017 Conference	14 Sep 2017	Ghent, Belgium	SC, Ed	30	International
417	Oral presentation	INRA DiaScope	Staff from INRA Diascope presented “Screening of crop varieties for agroforestry farming: the case of durum wheat in organic olive orchards in southern France”	15 Sep 2017	Toulouse, France	Ed, Sc, I	45	France
418	Oral presentation	INRA Drôme	L. Castel, C. Béral, A. Martin-Chave and D. Mézière D. made a presentation of recent agroforestry at	21 Sep 2017	Valence, France	Ed, I	80	France

	at scientific event		the Tech&Bio Conference					
419	Oral presentation at scientific event	EVD	Sonia Kay made presentation on “Bundles of ecosystem services provided by agroforestry in European landscapes” at the 125 th IUFRO Congress	18-22 Sept 2017	Freiburg, Germany	SC, I, CivS, Pol, M, Ed	50	Europe
420	Oral presentation at scientific event	EFI	Marko Lovric presented “To implement or not to implement agroforestry practices: An Analytic Network Process approach for European biogeographical regions” at the 125 th IUFRO Congress	18-22 Sep 2017	Freiburg, Germany	SC, I, Pol, M, Ed	30	International
421	Oral presentation at scientific event	USC	Rosa Mosquera-Losada presented “Agroforestry a tool to mitigate climate change” at the 125 th IUFRO Congress	18-22 Sep 2017	Freiburg, Germany	SC	100	International
422	Oral presentation at scientific event	BTU	Michael Kanzler presented “Agroforestry as a strategy to secure agricultural production in the context of increasing urbanization and climate change effects” [in German: Agroforstliche Nutzungsstrategien zur Sicherung der landwirtschaftlichen Produktion im Kontext steigender Urbanisierung und den Folgen des Klimawandels]	26-28 Sep 2017	Witzenhausen, Germany	SC	60	Germany
423	Oral presentation at scientific event	FDEA	M Jäger made presentation on “Experience with Agroforestry in Switzerland” to the Upper Rhine cluster for Sustainability Research at the University of Freiburg	3 Oct 2017	University of Freiburg, Germany	SC, Ed	25	Germany
424	Oral presentation at scientific event	USC	Rosa Mosquera-Losada presented “Políticas de futuro en los cultivos ecológicos extensivos: prácticas agroforestales” at Jornadas de innovaciones agroecológicas en cultivos extensivos y legumbres, Valladolid, Spain	5-6 Oct 2017	Valladolid, Spain	SC	100	Spain
425	Oral presentation at scientific event	CNR,	Piero Paris presented “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	12 Oct 2017	Rome, Italy	SC, Pol, Ed	200	Italy

			modern agroforestry approach] at Italian Society of Silviculture and Forest Ecology (SISEF) 11 th National Congress					
426	Oral presentation at scientific event	CNR	F. Camilli presented “La conoscenza dei sistemi agroforestali italiani: un’indagine online” [Knowledge of Agroforestry Systems in Italy: an online survey] at Italian Society of Silviculture and Forest Ecology (SISEF) 11 th National Congress	12 Oct 2017	Rome, Italy	SC, Pol, Ed	200	Italy
427	Oral presentation at scientific event	CNR	Andrea Pisanelli presented “Opportunities and constraints for the adoption and maintenance of agroforestry systems in Europe within the Common Agricultural Policy (CAP)” at	12 Oct 2017	Rome, Italy	SC, Pol, Ed	200	Italy
428	Oral presentation at scientific event	VEN	V. Bondesan made presentation on “Allevamento biologico di suini allo stato semibrado con sistema agroforestale: esperienze in area di pianura e bassa montagna veneta” at Italian Society of Silviculture and Forest Ecology (SISEF) 11 th National Congress (short presentation) - SISEF Italian society of forestry and forest ecology –XI° National Congress, 10-13 October, 2017	13 Oct 2017	Rome, Italy	SC, Ed	25	Italy
429	Oral presentation to policy audience	CRAN, EVD, USC	Paul Burgess, Sonia Kay and Rosa Mosquera-Losada made presentation on “Agroforestry – managing complexity: Promoting the wider adoption of appropriate agroforestry systems in Europe through policy development and other initiatives”	17 Oct 2017	European Commission, Brussels	Pol	50	EU
430	Oral presentation at scientific event	INRA DiaScope	Anna Panozzo made a presentation on “Screening of crop varieties for agroforestry farming: the case of durum wheat in organic olive orchards in southern France”.	24 Oct 2017	Univ of Padova, Italy	Ed, SC, I	45	Italy
431	Oral presentation at scientific event	USC	Rosa Mosquera-Losada presented “Agroforestry and agroecology including woody vegetation in agricultural systems” at First Agroecology Europe Forum	25-27 Oct 2017	Lyon, France	SC	100	International
432	Oral presentation	TEI	Anastasia Pantera made a presentation on agroforestry for high value tree systems at First	25-27 Oct 2017	Lyon, France	SC	100	International

	at scientific event		Agroecology Europe Forum					
433	Oral presentation at scientific event	UCPH	Nora Fagenholm presented “European cross-site comparison of place-based ecosystem services in multifunctional rural landscapes” at the Annual Meeting of Finnish Geographers “Geography Days” 2017 conference	26 Oct 2017	Turku, Finland	SC, I, Ed	15	Finland
434	Oral presentation at scientific event	SoE KKK	Varga Anna Varga presented „Fás-erdős legeltetési rendszerek jelenlegi helyzete és természetvédelmi vonatkozásai”. (State and nature conservation aspects of wood pasture systems) at the XI. Magyar Természetvédelmi Biológiai Konferencia	2-5 Nov 2017	Eger, Hungary	SC, CivS, Ed	250	Hungary
435	Oral presentation at scientific event	UBB	Tibi Hartel made a presentation on “Social-ecological sustainability of agrarian landscapes” at the Hungarian Society of Natural Sciences. Link here (radio interview): http://www.mtte.hu/content/20171108-biodiverzit%C3%A1sr%C3%B3l-m%C3%A1sk%C3%A9pp-konferencia-sorozat-2-r%C3%A9sz?page=0%2C2	8 Nov 2017	Budapest, Hungary	SC	200	Hungary
436	Oral presentation at scientific event	UCPH	Mario Torralba presented “European cross-site comparison of place-based ecosystem services in multifunctional rural landscapes” at the Programme of Ecosystem Change and Society 2017 Conference	8 Nov 2017	Oaxaca, Mexico	SC, I, Ed	30	International
437	Oral presentation	EVD	Sonia Kay made presentation on “Agroforestry in Europe - Impact at landscape-scale”	9 Nov 2017	Herzberg, Switzerland	SC	20	Europe
438	Oral presentation at scientific event	INRA DiaScope	Staff from INRA presented “Participatory plant ecobreeding : a new concept for organic agroforestry” at 19th Organic World Congress	9-11 Nov 2017	New Delhi, India	SC, I, CivS, Pol	50	International
439	Oral presentation at scientific event	LBI	Staff from LBI presented “Less avian influenza risk birds in poultry free-range areas covered with trees” at 19 th Organic World Congress	9-11 Nov 2017	New Delhi, India	SC, I, CivS, Pol	50	International
440	Oral	ORC	Jo Smith presented “Improving UK agroforestry: A	9–11 Nov	New Delhi,	SC, I, CivS,	50	International

	presentation at scientific event		participatory approach to identifying, developing and field-testing innovations” at 19th Organic World Congress	2017	India	Pol		
441	Oral presentation at public event	UEX	Manuel Bertomeu presented “Agroforestry systems and practices: socio-economic and environmental benefits” at Seminar on Alternative Tree Crops	13 Nov 2017	Perales del Puerto, Extremadura, Spain	CivS, Pol, Ed	120	Spain
442	Oral presentation at scientific event	USC	Rosa Mosquera-Losada presented “Silvopastoral systems under chestnut trees” at BIOCASTANEA	16 Nov 2017	Ponferrada, Spain	SC	100	Spain
443	Oral presentation at scientific event	CRAN	Paul Burgess presented “Agroforestry in Europe Practice, research and policy” at the Third National Agroforestry Conference, Swedish University of Agricultural Sciences	16 Nov 2017	Alnarp, Sweden	SC, Pol, Ed I, M,	200	Sweden
445	Oral presentation at scientific event	CRAN	Paul Burgess presented “How can policy promote the uptake of agroforestry in Europe?” at the Third National Agroforestry Conference, Swedish University of Agricultural Sciences	16 Nov 2017	Alnarp, Sweden	SC, Pol	30	Sweden
446	Oral presentation at scientific event	AFBI	Jim McAdam presented “Agroforestry, a land use option for sustainable grassland management” to the Systematic Ecology Group Lunchtime Seminar series at Queens University Belfast	20 Nov 2017	Queens University Belfast, UK	SC, Ed	60	UK
447	Oral presentation at scientific event	SLU	Presentation by Erik Valinger “Forskning kring rennärning och skogsbruk vid SLU” at the Swedish Forest Agency Conference 2017	23 Nov 2017	Lulea, Sweden	SC, I	18	Sweden
448	Oral presentation in EU Parliament	CRAN, AFAF, USC	Paul Burgess, Fabien Balaguer and Rosa Mosquera-Losada made presentations at the “1 + 1 = 3: How agroforestry is boosting the revenue and resilience of Europe’s farmers” meeting in the European Parliament	29 Nov 2017	European Parliament, Brussels, Belgium	SC, I, CivS, Pol, M, Ed	85	Belgium, rest of EU
449	Oral presentation at scientific event	AU	B. Holm presented “Fordele og ulemper ved træer i folde” at Økologi Kongres 2017	29-30 Nov 2017	Kolding, Denmark	I, CivS	70	Denmark

450	Oral presentation at scientific event	AU	J.E. Hermansen presented "Bedre grisemiljø, versus lavere klima-og miljøbelastning, eller både og?" at Økologi Kongres 2017	29-30 Nov 2017	Kolding, Denmark	I, CivS	70	Denmark
451	Oral presentation at scientific event	EFI	Michael den Herder et al presented "Increasing carbon sequestration and mitigating carbon emissions - Opportunities provided by agroforestry" at the International Conference Baltic Pathway Towards Low Carbon and Climate Resilient Development.	30 Nov 2017	Riga, Latvia	SC, I, Pol, M	320	Latvia, Estonia, Lithuania, Sweden, Norway, Denmark, Finland
452	Oral presentation at scientific event	INRA	Delphine Mézière and O Guérin presented "Weeds in alley cropping agroforestry systems. Elements for a multifunctional management" at an event organised by the French Agroforestry Association "Afac-Agroforesteries"	13 Dec 2017	Toulouse, France	SC, CivS	60	France
453	Oral presentation at scientific event	UEX	Gerardo Moreno presented "Pasture improvement and Biodiversity in Iberian Dehesas" at the 18th University-Entreprise meeting focussed on solutions for the dehesa and orgaized by the University of Cordoba	14 Dec 2017	Córdoba, Spain	I, SC, Ed, Pol	150	Spain
454	Oral presentation to a scientific event		Crous-Duran J, Graves AR, Paulo J, Mirck J, Oliveira TS, Kay S, Garcia de Jalón S, Palma J. Modelling tree density effects on provisioning ecosystem services at 9th Ecosystem Services Partnership (ESP) world conference	11-15 Dec 2017	Shenzen, China	SC	500	International
455	Oral presentation at scientific event	AFBI	McAdam, Jim McAdam made a presentation 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
456	Oral presentation at public event	CRAN	Paul Burgess made a presentation on "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
Poster								
457	Poster	INRA-	Poster presentation of the innovative forage	5-7 Sep 2016	Trondheim,	SC, I	220	Europe

	presentation to a scientific event	Ferlus	system of the OasYs system experiment, including fodder trees and shrubs at the 26th General Meeting of the European Grassland Federation		Norway			
458	Poster presentation to a scientific event	INRA-Ferlus	Poster presentation of the innovative forage system of the OasYs system experiment, including fodder trees and shrubs at the 3 rd Regional Meeting on Forage	22 Sep 2016	Montmorillon, France	SC, I, Ed	200	France
459	Poster presentation to a scientific event	UEX	Yonathan Cáceres made a poster presentation on "Evaluation of cost-efficient shelters to regenerate trees in silvo-pastoral systems" at the World Congress on Silvo-Pastoral Systems.	27-30 Sep 2016	Évora Portugal	SC	300	International
460	Poster presentation to a scientific event	ISA	Sonia Faia made a poster presentation "Is cork growth affected by different understory management options: lupine pasture versus shrubs encroachment?" at the World Congress on Silvo-Pastoral Systems. http://www.silvopastoral2016.uevora.pt/wp-content/uploads/2016/11/WG_4_Is-cork-growth-affected-by-different-understory-management_S-Faia-et-al.pdf	27-30 Sep 2016	Evora, Portugal	SC	300	International
461	Poster presentation to a scientific event	TEI	Kostas Mantzanas presented a poster entitled "Effects of livestock grazing on understory vegetation in relation to animal sheds in a valonia oak silvopastoral system of western Greece" at the World Congress on Silvopastoral Systems	27-30 Sep 2017	Evora, Portugal	SC	300	International
462	Poster presentation to a scientific event	EVD	Sonia Kay made a poster presentation on "Spatial-mapping and assessment of ecosystem services on landscape scale provided by agroforestry systems"	8 Nov 2016	Zurich, Switzerland	SC, Ed	15	Switzerland
463	Poster presentation to a public event	EFI	Michael den Herder made a poster on "Value chain: Livestock agroforestry - combining forestry with livestock husbandry: woodland eggs and poultry" at EIP-AGRI workshop on new value chains from multi-functional forests. Vienna, November 2016. More information:	10 Nov 2016	Vienna, Austria	SC; Pol; I; M	84	Europe

			https://ec.europa.eu/eip/agriculture/en/event/eip-agri-workshop-%E2%80%98new-value-chains					
464	Poster presentation to a scientific event	BTU	Penka Tsonkova made a poster presentation on “A brief overview of the origin and development of woody structures in the landscape” (in German: Ein kurzer Überblick über die Entstehung von Gehölzen in der Landschaft)	30 Nov – 01 Dec 2016	Senftenberg, Germany	SC; Pol; Ed, M	120	Germany
465	Poster presentation to a scientific event	BTU	Michael Kanzler made a poster presentation on “Einfluss agroforstlicher Nutzung auf das Mikroklima, den Ackerfruchtertrag und die potentielle Evaporation” at the 5th German Agroforestry System Forum	30 Nov–1 Dec 2016	Senftenberg, Germany	SC; Pol; Ed, M	120	Germany
466	Poster presentation to a scientific event	BTU	Werwoll J, Piehl M, Jaconette Mirck and BTU staff presented a poster entitled “Einflüsse der Gehölzstreifen auf die Wüchsigkeit und den Zuckergehalt von Zuckerrüben eines Agroforstsystems” at the 5th German Agroforestry System Forum	30 Nov–1 Dec 2016	Senftenberg, Germany	SC; Pol; Ed, M	120	Germany
467	Poster presentation to a scientific event	BTU	Staff from BTU presented “Root distribution of black locust trees in an alley cropping system” at the 5 th German Agroforestry System Forum	30 Nov–1 Dec 2016	Senftenberg, Germany	SC; Pol; Ed, M	120	Germany
468	Poster presentation to a scientific event	INRA-Ferlus	Presentation to the Annual Meeting of the French Association of Forage Production on the work of INRA Lusignan on the browsing of fodder trees.	21-22 Mar 2017	Paris, France	SC, I, CivS, Ed, Pol, M	250	France
469	Poster presentation to a scientific event	USC	Nuria Ferreiro-Domínguez presented a poster entitled “Maize yield in silvoarable systems established under <i>Prunus avium</i> L. in Galicia (NW Spain)” at the 19th European Grassland Federation Symposium [Prize for Best Poster]	7–10 May 2017	Sardinia, Italy	SC	100	Europe
470	Poster presentation to a scientific event	USC	Rosa Moquera-Losada presented a poster entitled “Mulberry (<i>Morus</i> spp) as a fodder source to overcome climate change” at the 19th European Grassland Federation Symposium	7-10 May 2017	Sardinia, Italy	SC	100	Europe
471	Poster	USC	Speaker: Nuria Ferreiro-Domínguez presented a	7-10 May	Sardinia,	SC	100	Europe

	presentation to a scientific event		poster entitled “Productivity of silvopastoral systems under <i>Pinus radiata</i> D. Don estimated with the Yield-SAFE model” at the 19th European Grassland Federation Symposium	2017	Italy			
472	Poster presentation to a scientific event	INRA-Ferlus	INRA staff presented a poster on “first results on the feeding value of leaves of woody plants for feeding ruminants in summer” at the 19th European Grassland Federation Symposium	7-10 May 2017	Sardinia, Italy	SC, I	100	Europe
	Poster presentation to a scientific event	SoE KKK	Kiss-Szigeti N.: Ecosystem services of agroforestry systems. at: 7 th Hungarian Landscape Ecology Conference	25-27 May 2017	Szeged, Hungary	SC, Ed	150-200	Hungary
473	Poster presentation to a scientific event	UEX	Arenas-Corraliza I, López-Díaz ML, and Moreno G presented a poster entitled “Agroforestry to cope with climate change: intercropping cereal among walnut timber trees” to the 7th Spanish Forestry Congress	23–30 Jun 2017	Plasencia, Spain	SC	1000	Spain
474	Poster presentation to a scientific event	TEI	A. Papadopoulos presented a poster entitled “Effects of grazing and understorey clearing on regeneration of valonia oak in Western Greece” at 15th International Conference on Environmental Science and Technology	31 Aug – 2 Sept 2017	Rhodes, Greece	SC	800	Europea
475	Poster presentation to a scientific event	TEI	A Papadopoulos presented a poster entitled “Stand structure analysis of <i>Quercus ithaburensis</i> subsp. <i>macrolepis</i> silvopastoral systems in Greece” at 15th International Conference on Environmental Science and Technology	31 Aug – 2 Sept 2017	Rhodes, Greece	SC	800	Europea
476	Poster presentation to a scientific event	USC	Rosa Mosquera-Losada presented a poster entitled “Integration of a soil carbon dynamics module into the Yield-SAFE model” at the 6 th International Symposium on Soil Organic Matter	3-7 Sep 2017	Harpenden, UK	SC	100	Europea
477	Poster presentation to a scientific event	AU	AU staff presented a poster on “the inclusion of poplar trees in pasture-based pig systems to reduce the heat load of lactating sows during hot periods” at 7th International Conference on the Assessment of Animal Welfare	5 Sep 2017	Wageningen the Netherlands	SC	50	Europe

478	Poster at scientific event	TEI	TEI staff presented a poster on “Ecological, silvicultural and management characteristics of the valonia oak silvopastoral system in Xeromero Aetoloakarnania and its development potential under the framework of agroforestry” (in Greek) at the 18th Forestry Panhellenic Conference	8-11 Oct 2017	Edessa, Greece	SC	250	Greece, Albania, Serbia
News and magazine articles								
479	Magazine article	UEX	Agroforestería: incluyendo plantas y animales en la producción agroecológica https://www.agroecologia.net/revista-ae-27-agroforesteria/ Agricultura Ecológica 27: 14-15	24 Mar 2017	Journal of the Society of Organic Farming	I, SC, CivS	30000	Spain
480	Magazine article	USC	Sistemas agroforestales, silvopastoralismo y agroecología https://www.agroecologia.net/revista-ae-27-agroforesteria/ Agricultura Ecológica 27: 12-13	24 Mar 2017	Journal of Society of Organic Farming	I, SC, CivS	30000	Spain
481	Magazine article	USC	Las prácticas agroforestales y la ecología en Europa https://www.agroecologia.net/revista-ae-27-agroforesteria/ Agricultura Ecológica 27: 48-49	24 Mar 2017	Journal of Society of Organic Farming	I, SC, CivS	30000	Spain
482	Magazine article	ORC	Jo Smith produced an article entitled “Agroforestry: The potential for tree-mendous change” in the Spring 2017 issue of the Soil Association’s Living Earth magazine	Spring 2017 issue	Soil Association membership	CivS	20000	UK
483	News article	SoE KKK	News article on Hungarian wood pasture: Bogyiszló - Kasztói fás-legelő bemutatása http://www.fataj.hu/2017/05/091/201705091_Bogyiszló-Kasztó-faslegelo.php	10 May 2017	Hungary	CivS	250000	Hungary
484	News article	SoE KKK	Kasztó-nap [The Day of Kasztó wood pasture] in Tolnai Népújság [daily newspaper of Tolna county]	11 May 2017	Tolna County, Hungary	CivS	100000	Hungary
485	Magazine article	UEX	Gerardo Moreno. 2017. Retos e innovaciones demandadas por propietarios y gestores de dehesas. Revista Montes 128: 38-42.	1 Jun 2017	Spain	I	10000	Spain
486	News article	SoE KKK	Regional newspaper: Veszprémi Napló,	4 Jun 2017	Veszprém	CivS	100000	Hungary

			https://veol.hu/kultura/fas-legelok-napia-es-pasztorunnep-olaszfaluban-1839049		County, Hungary			
487	Interview	USC	La Voz de Galicia: “keys to tackle global warming from agricultural and livestock production” https://www.lavozdeg Galicia.es/noticia/lemos/2017/06/11/habra-leche-costara-producirla/0003_201706M11C69911.htm	11 Jun 2017	Galicia (NW Spain)	SC, I, CivS, Pol, M, Ed	1000	Spain
488	Interview	AU	Heidi Mai-Lis Andersen gave an interview on the importance of shade for free range pigs for the “Organic Denmark” magazine http://okologi.dk/oekologi-og-erhverv/nyheder/2017/06/skygge-til-frilandsgrise-er-vigtig	23 Jun 2017	Denmark	I, CivS	2000	Denmark
489	News article	SoE KKK	A bogyzslói vándorló fákról nyílik kiállítás az Ős-Dráva Látogatóközpontban (Exhibition on the migratory trees of Bogyzsló at the Old-Dráva Visitor Center) http://kadarka.net/cikkek-kat/a-bogyzslói-vandorló-fakról-nyílik-kiállítás-az-ős-dráva-látogatóközpontban	27 Sep 2017	Hungary	CivS	100000	Hungary
490	News 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, Spain	SC, I, CivS, Pol, M, Ed	1000	Spain
491	Magazine article	UEX	La dehesa encara los retos de futuro. Interview to Gerardo Moreno for the regional journal Periodico Extremadura. http://www.elperiodicoextremadura.com/noticias/economiaverde/dehesa-encara-retos-futuro_1060245.html	19 Dec 2017	Extremadura, Spain	CivS	100000	Spain
Field visits and workshops								
492	Workshop	UBB	Staff from UBB led a wood-pasture workshop within the Conference of Foresters from the Carpathian Basin	27 Jun 2016	Carpathian Basin	I	85	Romania
493	Speech at	UBB	Tibi Hartel made a presentation of ancient wood-	12 Aug 2016	Saschiz,	CivS	120	Romania

	cultural festival		pastures of Southern Transylvania at Week of Haferland with the Saptamana Haferland community		Romania			
494	Field visit at scientific event	INRA-SYSTEM	Field day on day 5 of EcoSummit international conference	2 Sep 2016	Montpellier, FRA	SC, I	30	International
	Field visit	Ven	G. Mezzalira and C Dalla Valle helped with National Rural Network (Rete Rurale Nazionale) visit to Casria Farm project site in Masi, Padova	13 Sep 2016	Masi, Padova, Italy	Sc	10	Italy
495	Field visits	INRA-Ferlus	Visit of the agroforestry plots during the open-door events of the INRA Centre of Nouvelle-Aquitaine-Poitiers	13-15 Oct 2016	Lusignan, France	Ed, SC, I, CivS	140	France
496	Field visit	INRA-SYSTEM	Educational visits to the silvoarable systems in Restinclières	17–19 Oct 2016	Montpellier, France	Ed	20	France
497	Stakeholder meeting	LBI	Meeting with organic poultry chain working group on challenges and corresponding demand for research related to organic poultry production	9 Dec 2016	Driebergen, Netherlands	I	10	Netherlands
498	Stakeholder meeting	EVD	S. Kay and F. Herzog led exchanges related to AGFORWARD im Testgebiet “Schwarzbubenland” - Erste Ergebnisse	20 Dec 2016	Sissach, Switzerland	SC, Ed	6	Switzerland
499	Stakeholder meeting	EVD	S. Kay and F. Herzog made presentation on “Agroforestry in Europe and standard cherry fruit trees in Schwarzbubenland”	30 Jan 2017	Büsserach, Switzerland	I	20	Switzerland
500	Field visit	INRA-Ferlus	Visit to the agroforestry plots of the president and chief executive of INRA and supporting staff	14 Feb 2017	Lusignan, France	SC	5	France
501	Training workshop	ORC	Presentation by J Smith at ‘Agroforestry Around the World’ at Soil Association staff training workshop, Swindon, UK	22 Feb 2017	Swindon, UK	I	12	UK
502	Field visit	EVD	M. Jäger made field visit and Foundation of the “Groupe d’Interêt agroforesterie Suisse romande”	7 Mar 2017	Rusy, Switzerland	I, Ed, SC	25	Switzerland
503	Stakeholder meeting	LBI	Meeting with chairman of organic poultry chain working group focused on Challenges and corresponding demand for research related to organic poultry production	7 Mar 2017	Ede, Netherlands	I	2	Netherlands
504	Workshop	UEX	Grazing and fire prevention workshop	10 Mar 2017	Hernán Pérez, Spain	CivS, Pol	50	Spain

505	Field visit	INRA-Ferlus	Field visit by the Heads of four scientific INRA divisions	14 Mar 2017	Lusignan, France	SC	10	France
506	Stakeholder meeting	APCA	Grazed orchards stakeholder meeting at Saint Quentin des Prés	17 Mar 2017	Oise, France	I	40	France
507	Workshop and field visit	VEN	G.Mezzalira, C. Dalla Valle and V. Bondesan supported EIP_Agri Agroforestry focus group participants, field visit to Vallevicchia pilot farm on a reclaimed area of land	21 Mar 2017	Vallevicchia, Caorle-Venice, Italy	SC, CivS, Pol, M	40	Europe
508	Stakeholder meeting	VEN	Solutions for agroforestry outdoor organic pig production at Sasse-Rami Pilot Farm	11 Apr 2017	Ceregano, Rovigo, Italy	I	7	Italy
509	Workshop to launch new association	UEX	Launching of the Association for Chestnut forests of Hoyos	12 April 2017	Hoyos. Spain	CivS	35	Spain
510	Workshop	EVD	M. Jäger led field visits and workshops during 2-day course for Swiss Interest Group on agroforestry on refining and high value Timber Fruit Tree agroforestry systems. Presentation on the cultural history of fruit trees and improvement of apple / pear trees for agroforestry systems	1–2 May 2017	Frauenfeld, Switzerland	I, Ed, SC	20	Switzerland
511	Field visits	CNR	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 and Orvieto, Italy	SC; I	10	International
512	Field visit	INRA-Ferlus	Visit to agroforestry plots by the Head and researchers of an agriculture high school in Bordeaux	4 May 2017	Lusignan, France	SC, Ed	10	France
513	Workshop	ORC	Woodland Trust/ Accor Hotels /Pur workshop on agroforestry and farm walk at Elm Farm	8 May 2017	Newbury, UK	I	8	UK
514	Field visit	INRA-SYSTEM	Two day field visit of agroforestry plots with farmers, researchers and extensionists from Czech Republic	9–10 May 2017	Montpellier, Maraussan, Molandier, France	I, SC	15	Czech Republic
515	Field visit	CNR	Visit of the Monte Pisanu AGFORWARD site as post tour for the European Grassland Federation 2017 Meeting	10 May 2017	Bono, Sardinia, Spain	Sc, Pol	50	International
516	Stakeholder	ORC	Tree Fodder: Food for Thought workshop at Elm	11 May 2017	Newbury,	I, Pol, SC	25	UK

	workshop		Farm		UK			
517	Stakeholder meeting	LBI	Meeting with organic poultry farmers and water board focused on challenges and corresponding demand for research related to water pollution by poultry manure in free-range areas.	29 May 2017	Driebergen, Netherlands	I	10	Netherlands
518	Field visit	INRA-Ferlus	Visit to agroforestry plots by the participants of a seminar on system experiment organized by INRA in Poitiers	30 May 2017	Lusignan, France	SC	45	France
519	Stakeholder meeting	SoE KKK	SoE KKK with MTA ÖK: Event: Herder meeting at Olaszfalu	3 Jun 2017	Olaszfalu, Hungary	I, CivS, PM, M, SC	250	Hungary
520	Field visit	USC	Field visit to Bosques Naturales plot by international students and teachers of an agroforestry course held in Bragança, Portugal: Agroforestry Systems: an inheritance with future	2–3 Jun 2017	Galicia, Spain	SC, Ed	30	International
521	Field visit	INRA-Ferlus	Visit to agroforestry plots by the Iranian vice-minister of agriculture, the president of the Iranian seed-bearer association and two representatives of a French seed company	6 Jun 2017	Lusignan, France	Pol, I, CivS	4	France
522	Stakeholder visit	LBI	Visit to organic poultry farms with Finnish journalist Laura Yöntilä: Agroforestry for poultry farmers in NL	8 Jun 2017	Netherlands	I	2	Netherlands, Finland
523	Field visit	UEX	Field trip through the 30 ha farm of Carlos Donoso, a farmer with a 30 year experience on organic fruit production during an intensive course on Small-scale agroforestry.	16 Jun 2017	Acebo, Extremadura, Spain	CivS, Ed	25	Spain
524	Field visit	UEX	Visit to the farm of the Fertiprado company to discuss about the sown of legume-rich pastures	22 Jun 2017	Vaiamonte, Portugal	I	12	Spain
525	Field visit	CRAN	Field visit to the apple-cereal silvoarable system at Whitehall Farm as part of the Farm Woodland Forum meeting	23 Jun 2017	Peterborough, UK	SC, I, Ed, Pol	40	UK, Ireland
526	Stakeholder meeting	Ven	Stakeholder workshop on free range fattening pigs marginal/bush areas at Mountain pilot farm of Villiago	27 Jun 2017	Villiago, Sedico, Belluno, Italy	I	4	Italy
527	Open Day	ORC	Open Day at Allerton Estate, UK. General presentation on agroforestry as part of farm tour.	28 Jun 2017	Leicestershire, UK	I, Pol	250	UK

528	Open Day	ORC	National Organic Combinable Crops event, Andover, UK. General presentation of value of hedges and agroforestry as part of farm tour.	6 Jul 2017	Andover, UK	I	200	UK
529	Field visit	INRA DiaScope	The focus of the visit organised by INRA was "Which crops in Agroforestry systems?"	12 Jul 2017	Mauguio, France	I	30	France
530	Stakeholder workshop	ORC	Wakelyns Agroforestry Open Day, Suffolk UK	12 Jul 2017	Metfield, UK	I, SC	35	UK
531	Stakeholder meeting	USC	Presentation of the results of the AGFORWARD project to farmers, advisors and technicians	19 Jul 2017	Lugo, Spain	I	30	Spain
532	Stakeholder meeting	VEN	Workshop on solution for agroforestry outdoor organic pig production at Sasse-Rami Pilot Farm.	24 Jul 2017	Ceregano, Rovigo, Italy	I	10	Italy
533	Workshop to launch new association	UEX	Launching of the Association of Forest of Descargamaría (northern Extremadura)	12 Aug 2017	Descargamaría, Spain	CivS	60	Spain
534	Field visit	UBB	T. Hartel led a field visit at the invitation of the Sona Noastra Association on the importance of cultural landscapes	23 to 24 Aug 2017	Romania	I	30	Romania
535	Workshop	UEX	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 Sep 2017	Carpio de Tajo, Toledo, Spain	CivS	12	Spain
536	Field visit	INRA-SYSTEM	Field day associated with day 5 of the EcoSummit international conference	2 Sep 2016	Montpellier, France	SC, I	30	International
537	Field visit	UEX	Visit to the farm "Atoquedo" owned by Enrique Rodríguez-Arias to discuss about the sowing of legume-rich pastures, triticale as fodder crop and the efficiency of thorny protector to regenerate trees in grazed wood pastures.	7 Sep 2017	Torrejón el Rubio	I	10	Spain
538	Stakeholder workshop	ORC	Trees and Livestock Workshop	15 Sep 2017	Pitlochry, UK	I, Pol	20	UK
539	Stakeholder workshop	ORC	Agroforestry for Growers Workshop, Tolhurst Organics, Pangbourne UK	19 Sep 2017	Pangbourne, UK	I	25	UK
540	Workshop	BTU	Introduction to agroforestry and its benefits to soil, water and biodiversity	21 Sep 2017	Peickwitz, Germany	Ed	50	Germany
541	Field visit	LBI	Discussing opportunities for new business model in which companies compensate their carbon	26 Sep 2017	Overberg, Netherlands	I	5	Netherlands

			footprint by paying for planting trees in organic poultry free range areas					
542	Workshop	UEX	Workshop to select some ne experimental agroforestry farms	29 Sep 2017	Hernán Pérez, Spain	CivS	40	Spain
543	Stakeholder workshop	VEN	Workshop on solutions for agroforestry outdoor organic pig production at the Corte Pajusco-Bressanvido, local agriculture exhibition	30 Sep 2017	Bressanvido, Vicenza, Italy	I	7	Italy
544	Workshop	UBB	T. Hartel met with the local community of Saschiz to share knowledge and to identify further needs of interventions for the sustainability of wood-pastures	2 Oct 2017	Saschiz, Romania	Pol	10	Romania
545	Stakeholder workshop	TEI	A Papadopoulos and A Pantera presented "Agroforestry in Greece: the case of the Xeromero forest (in Greek)" and K Mantzanas presented "Opportunities of the new CAP: cases for the AGFORWARD project" at a meeting co-organised with the AGROFMM Erasmus+ project http://www.velanidodasos.gr/articles/one/201	3 Oct 2017	Skourtou-Aetoloakarnani, Greece	I	25	Greece
546	Stakeholder workshop	INRA-Ferlus	Presentation to the French stakeholder group on agroforestry for ruminants of the results on the diversification of tree uses, their spatial organization and tree protection from cattle, and on the nutritive value of potential fodder trees and on the effects of trees on grassland production and quality.	11 Oct 2017	Lusignan, France	I, SC, CivS, Ed	42	France
547	Stakeholder meeting	CREA	Adolfo Rosati led a meeting focused on 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, near Perugia, Italy	I	33	Italy
548	Field visit	AGROOF	Field visit to Restinclières of politicians and decision-makers from Cuba	19 Oct 2017	Restinclières, France	Pol	15	Cuba
549	Field visit	LBI	New initiative of small scale egg production in forest areas. www.groenewoudei.nl	20 Oct 2017	Oirschot, Netherlands	I	5	Netherlands
550	Stakeholder meeting	VEN	Workshop on free range fattening pigs marginal/bush areas at the Mountain pilot farm,	24 Oct 2017	Villiago, Sedico,	i	5	Italy

			Villiago		Belluno, Italy			
551	Field visit	INRA-SYSTEM	Field visit by of heads of experimental farms of agricultural schools: Agroforestry in Restinclières	24 Oct 2017	Montpellier, France	SC, Ed	15	France
552	Workshop	UEX	Participation in the debate of the workshop “The dehesa: environment, conservation and heritage”	26 Oct 2017	Almodovar del Campo, Spain	CivS	50	Spain
553	Stakeholder meeting	TEI	A Papadopoulos led a stakeholder meeting on Silvopastoral systems in Greece at Kato Meria	29 Oct 2017	Kea island, Cyclades-Aegean, Greece	I, SC	50	Greece – Netherlands, USA, Germany
554	Workshop	UBB	Workshop on cultural ecosystem services of agrarian landscapes, at the Green Club Association	30-31 Oct 2017	Sfintu Gheorghe, Romania	CivS	25	Romania
555	Field visit	UEX	Visit to the farm “Castro Enríquez” owned by the government of the Salamanca province to discuss about the innovations of the dehesa management	9 Nov 2017	Cabeza de Diego Gómez	SC, I	10	Spain
556	Stakeholder meeting	VEN	Workshop on solution for agroforestry outdoor organic pig production at Sasse Rami Pilot Farm	13 Nov 2017	Ceregano, Rovigo, Italy	I	3	Italy
557	Workshop	ORC	Jo Smith made a presentation on “Agroforestry at the Organic Research Centre” to a IFOAM European farmer group	15 Nov 2017	Lambourne, UK	I	40	Europe
558	Field visit	ISA	Visit to farm in Grândola county managed by ANSUB and affected by a large fire in August 2017.	13 and 23 Nov 2017	Grândola	I, CivS	15	Portugal
559	Stakeholder meeting	INRA UMR BAGAP	Final workshop to present AGFORWARD results with the Terres & Bocage Association.	15 Nov 2017	Plouguenast, Bretagne, France	I	24	France
560	Workshop	LBI	Study day organised by the stakeholder group “Dunefarmers” which covered new method in studying browsing behaviour of dairy cows (wild cameras), the self-medication by dairy cows by eating willows, and the nutritional value of fodder trees brought together in the table	22 Nov 2017	Oosteind, Netherlands	I	25	Netherlands
561	Workshop	ISA	Centro de Estudos Florestais (CEF) workshop on the role of agroforest management practices in the prevention and recovery after fire in montado.	23 Nov 2017	Grândola	I, CivS, M	50	Portugal

			Organization: CEF and ANSUB. https://www.isa.ulisboa.pt/en/cef/highlights/meetings/cork-oak-woodlands-agroforest-management-practices					
562	Stakeholder workshop	ORC	Jo Smith contributed to a “Trees on Farms” event organised by Farmers Weekly and Woodland Trust, at the Allerton Estate, UK	23 Nov 2017	Leicestershire, UK	I	40	UK
562	Stakeholder meeting	BTU	Michael Kanzler presented AGFORWARD – background and results to the stakeholder meeting	25 Nov 2017	Witzenhausen, Germany	SC	60	Germany
563	Field visit	INRA-SYSTEM	Farmers and researchers involved in the LIFE project Montado-Adapt visited the agroforestry plots at Restinclières	30 Nov 2017	Montpellier, France	I, SC	15	Spain and Portugal
564	Stakeholders meeting	TEI	A Papadopoulos presented the results of the AGFORWARD project to a stakeholder meeting in Western Greece	7-8 Dec 2017	Agrino & Messologi, W. Greece	I, Pol	5	Greece
565	Field visit	UEX	Visit by UEX staff to the farm “La Parra” owned by Alfonso Covaleta to discuss about the efficiency of thorny protector to regenerate trees in grazed wood pastures	8 Dec 2017	La Moheda de Gata-Santibañez el Alto, Spain	I	8	Spain
566	Field visit	INRA-Ferlus	Visit by technicians from the INRA “Res0pest” network	12 Dec 2017	Lusignan, France	SC	15	France
567	Stakeholder meeting	TEI	TEI staff presented the results of the AGFORWARD project in the Macedonia region of Greece	14 Dec 2017	Sissani, Kozani, Macedonia, Greece	I	10	Greece
568	Stakeholder meeting	TEI	TEI staff presented the results of the AGFORWARD project near Chalkidiki in Greece	15 Dec 2017	Fokaia, Chalkidiki, Greece	I	10	Greece
569	Workshop	UEX	UEX staff supported a workshop on Non-timber forest products in rural areas	19 Dec 2017	Cadalso	CivS, Ed	15	Spain
570	Stakeholder meeting	CNR	CNR staff presented AGFORWARD results at a workshop at the farm “Elighes Uttiosos”	20 Dec 2017	Santulussurgiu, Oristano, Sardinia, Italy	Sc, I, CivS, Pol	25	Italy
571	Stakeholder	TEI	A Papadopoulos presented the results of the	27 Dec 2017	Skourtou,	I	4	Greece

	meeting		AGFORWARD research to a stakeholder group at Skourtou		W. Greece			
572	Stakeholder meeting	LB1	Meeting with organic poultry stakeholders focused on challenges and corresponding research questions related to organic egg production	9 Jan 2018	Ede, Netherlands	I	10	Netherlands
573	Workshop	CNR and CRAN	Piero Paris and Paul Burgess presented results at a final stakeholders workshop in Italy. Piero presented “I risultati del Progetto AGFORWARD in Italia” [The results of the AGFORWARD project in Italy]. The name of the workshop was “The Return of Agroforestry Systems” and it took place at FieraAgricola at Verona.	2 Feb 2018	Verona, Italy.	SC; CivS; Ed; P	70	Italy
Policy development								
574	Policy development	VEN	Agroforestry measures in RDP	2 Mar 2017	Mestre, Venice	Pol	3	Italy
575	Policy development	VEN	V. Bondesan and F. Correale attended meeting with Veneto Region Dep. of Agro- environment, officers on opportunities for RDP agroforestry and innovation measure calls in Veneto Region	17 Mar 2017	Venice, Italy	Pol.	4	Italy
576	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	Oct 2017	Santiago de Compostella , Spain	SC, I, Ed	23	Europe
577	Policy development	CRAN	Paul Burgess met with the UK Minister of State for Agriculture to discuss agroforestry policy, at the UK Department for Environment, Food and Rural Affairs, London	1 Nov 2017	London, UK	Pol	5	UK
578	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)	1 July 2016 to 31 Dec 2017	Belgium, Brussels	SC, I, CivS, Pol	50	Europe
579	Policy development	USC	The team of the USC participated in meetings of the EIP-AGRI	1 July 2016 to 31 Dec 2017	Belgium, Brussels	SC, I, CivS, Pol	50	Europe

580	Policy development	USC	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	1 July 2016 to 31 Dec 2017	Around Europe	SC, I, CivS, Pol, M, Ed	150	International
581	Policy development	USC	Rosa Mosquera-Losada participated in different meetings of the Global Research Alliance (GRA) because she is member of the Croplands Research Group https://globalresearchalliance.org/?s=MOSQUERA	1 July 2016 to 31 Dec 2017	Around Europe	SC, I, CivS, Pol, M, Ed	15	International
582	Policy development	USC	Rosa Mosquera-Losada participated in the meetings of the Spanish National Rural Network	1 July 2016 to 31 Dec 2017	Madrid, Spain	SC, I, CivS, Pol, M, Ed	40	Spain
583	Policy development	USC	Rosa Mosquera-Losada participated in two annual meetings of the European Structural and Investment funds (ESIF)	1 July 2016 to 31 Dec 2017	Brussels, Belgium	SC, I, CivS, Pol, M, Ed	100	Europe
Training, technology transfer and education								
584	Training course	UEX	Training for the Public Administration School: The nature of Mediterranean wood pastures and criteria for eligibility of permanent pastures for CAP payments taught by Gerardo Moreno	24-25 Oct 2016	Mérida	Pol, I	30	Spain
585	Training course	UEX	Training for the Public Administration School: The nature of Mediterranean wood pastures and criteria for eligibility of permanent pastures for CAP payments taught by Gerardo Moreno	23-24 Oct 2017	Mérida	Pol, I	30	Spain
586	Design of new agroforestry projects	UEX	UEX staff helped with the design of new agroforestry projects at a range of sites: 1. Intercropping aromatic plants in almond groves: 0.3 ha at Acebo, Extremadura 2. Intercropping asparagus in olive groves: 0.5 ha at Acebo, Extremadura 3. Intercropping blueberries among chestnut trees for fruit production: 0.25 ha at Gata, Extremadura 4. Intercropping arbutus berries among chestnut trees for fruit production: 2 ha at Villanueva de la Sierra, Extremadura 5. Diversification of olive grove intermixing	23 Nov 2017	Extremadura	I	8	Spain

			chestnut trees for nut production: 1 ha at Gata, Extremadura					
587	Design of new agroforestry projects	UEX	UEX staff helped with the design of two new agroforestry projects: 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 , Spain	I	5	Spain
588	Design of new agroforestry projects	UEX	UEX staff helped with the design of two new agroforestry projects: 1. Chestnut plantation managed with grazing with sheep for nut production: 1 ha at Villas Buenas de Gata, Extremadura 2. Improving pasture productivity and quality in olive groves to shift from intensive/chemical management to organic silvopastoral management with sheep grazing: 0.4 ha and 2 ha at Villas Buenas de Gata, Extremadura 3. Chestnut plantation managed with grazing with sheep for nut production: 1.5 ha at Villas Buenas de Gata, Extremadura 4. Improving pasture productivity and quality in olive groves to shift from intensive/chemical management to organic silvopastoral management with sheep grazing: at Perales del Puerto, Extremadura	24 Nov 2017	Extremadura , Spain	I	14	Spain
589	Design of new agroforestry project	UEX	UEX staff helped with the design and planting of woody fodder banks: <i>Morus alba</i> and Tagasaste for browsing with goats: 1.25 ha at Torre de Don Miguel,	24 Nov 2017	Extremadura , Spain	I	5	Spain
590	Design of new agroforestry project	UEX	UEX staff helped with the planting of woody fodder banks for browsing with goats: 1. 0.5 ha <i>Morus alba</i> at Acebo 2. 0.5 ha of Tagasaste at Hoyos	28 Nov 2017	Extremadura , Spain	I	7	Spain
591	Design of new agroforestry project	UEX	UEX staff helped with the design of three new agroforestry projects: Chestnut plantation managed with grazing with sheep for nut production (1 ha near Acebo)	28 Nov 2017	Acebo, Extremadura , Spain	I	8	Spain

			Improving pasture productivity and quality in olive groves to shift from intensive/chemical management to organic silvopastoral management with sheep grazing (6 ha at Valverde del Fresno and 6 ha at Cilleros)					
592	Technology transfer	AFBI	Jim McAdam contributed to a workshop session with CAFRE on Agroforestry at Loughgall for participants who had taken up the Agroforestry policy option in DAERA's Environmental Farming Scheme.	5 Dec 2017	AFBI Loughgall, UK	I, Pol	22	Northern Ireland
593	Discussion about innovations	UEX	Visit to the "Protector Cactus World" company to discuss about the thorny protector to regenerate trees in grazed wood pastures	7 Dec 2017	Torre de Don Miguel Sesmero	I	4	Spain
Technical leaflets and flyers								
594	Technical leaflet on agroforestry	EVD AGRIDEA	EVD working with AGRIDEA produced a technical leaflet on Agroforestry in German and French https://agridea.abacuscity.ch/de/A~3048/0~0~Shop/Agroforstsysteme	15 Jan 2017	Lindau, Switzerland	SC, I, ED,	1000	Switzerland
595	46 Innovation leaflets	AGROOF, CRAN and others	46 Agroforestry Innovation leaflets covering the innovations investigated across the AGFORWARD stakeholder groups	27 Nov 2017	Anduze, France	SC, I, ED	800	Europe
596	10 Best Practice leaflets	ACTA, ICRAF	10 Agroforestry Best Practice leaflets	27 Nov 2017	Anduze, France	SC, I, ED	800	Europe
597	Folder for farmers and advisors	AFAF, AGROOF	Agroforestry folder for farmers and advisors	27 Nov 2017	Anduze, France	SC, I, ED	800	Europe
Training and education								
598	Training sessions	AGROOF	140 Training sessions in the last 2 years.	1 July 2016 to 31 Dec 2017	France	I, Ed	1000	France
599	Website, training toolkits	AGROOF	Provision of training toolkits on the AGFORWARD website http://train.agforward.eu/language/en/agforward/	1 July 2016 to 31 Dec 2017	Worldwide web	I, CivS, Ed	1000	International
600	Training	EVD	S. Kay and F. Herzog supported exchange with regional experts and agricultural school: AGFORWARD in "Pâturage boisé" case study region	26 Aug 2016	Delémont, Switzerland	SC, Pol	2	Switzerland

			– first results					
601	Training course for teachers	UEX	Gerardo Moreno presented “The Spanish dehesa: current threats and challenges to face the complexity” on the training course: “The Forest and the Dehesas” at an Agricultural Technical School	5 Sep 2016	Navalmoral de la Mata, Spain	Ed, I	30	Spain
602	Training course	INRA-SYSTEM	M. Gosme, D. Mézière D. and A. Metay led a practical course on soil profiles and root distribution in agroforestry	21 Sep 2016	Montpellier, France	Ed	12	France
603	Training course	UEX	Gerardo gave a presentation on “The nature of Mediterranean wood pastures and criteria for eligibility of permanent pastures for CAP payments” at a training event entitled “Cattle, Sheep, Grasslands and CAP”	24-25 Oct 2016	Mérida Spain	I, Pol,	30	Spain
604	Training course	INRA-SYSTEM	D. Mézière led a course on “Research and Development for Agroforestry”	15 Nov 2016	Florac, France	Ed	35	France
605	Training course	ISA	Joana A. Paulo led course entitled “Sistemas agroflorestais em Portugal: tradição e oportunidade de inovação” for the first national encounter of Portuguese forestry students DOI: 10.13140/RG.2.2.30419.78888	20 Nov 2016	Instituto Superior de Agronomia. Lisboa, Portugal	SC, Ed	30	European
606	Training course	INRA-Ferlus	Staff at INRA led a two day course on “Innovating in cattle production”	5-6 Dec 2016	Lusignan, Paris	Ed	72	France
607	Primary schools	SoE KKK	SoE KKK with HAS–IEBT: Anna Varga supported an Agroforestry Education programme: “Ancient trees and wood pastures are wandering to the schools...”	1 Jan to 31 Dec 2017	Bogyzsló, Hungary	Ed	>150	Hungary
608	Training course	INRA-Ferlus	Staff at INRA led a one day course on “Innovating in cattle production”	10 Jan 2017	Lusignan, Paris	Ed	72	France
609	Training course	INRA-SYSTEM	D. Mézière led a course on “Temperate agroforestry: what for and which valorization?”	8 Feb 2017	Montpellier, France	Ed	25	France
610	Agroforestry module	EVD	EVD with AGRIDEA: module on Agroforestry at the Agricultural School in Marcelin	15 Feb 2017	Marcelin, Switzerland	Ed	20	Switzerland
611	Training workshop	VEN	C. Dalla Valle provided workshop to university students on hedges and agroforestry systems in Veneto rural areas	31 Mar 2017	Montecchio P., Vicenza, Italy	Ed.	10	Italian
612	Field training	UBB	Tibi Hartel with a group of students from Sapientia University engaged in tree-related management	23-24 Apr 2017	Transylvania, Romania	Ed	25	Romania

			activities in the wood-pasture of HRH Prince of Wales, which included: pruning, haloing, coppicing and fencing. The event was assisted partly by the journal Sinteza, who reported it here: http://revistasinteza.ro/remarcabilii/					
613	Training seminar	EFI	"Farmers' perception on the agroforestry systems in Europe" in Seminar Sistemas agroflorestais: uma Herança com future. for students of the Escola Superior Agrária de Bragança	2-3 Jun 2017	Bragança, Portugal	Ed	60	Portugal
614	Training Course	UEX	UEX staff led a one course on "Small-scale agroforestry"	16 Jun 2017	Acebo, Spain	CivS, Ed	25	Spain
615	Training course	CNR	Piero Paris led a session called "Introducing Agroforestry" for high school students from the municipalities of Aiken (South Carolina-USA) and Orvieto (Italy)	22 Jun 2017	Orvieto, Italy	CivS; Ed	30	USA, Italy
616	Training course	USC	Staff at USC led a two course called "Nuevas tendencias en restauración de suelos degradados: cultivos energéticos y fitogestión en un modelo de Economía Circular"	13-14 Jul 2017	Vitoria, Spain	Ed	50	Spain
617	Training course	UEX	Gerardo Moreno led a session for chefs on "Ecological bases of dehesa functioning and production of high quality foods" in the course "The dehesa for the production of high quality foods"	15 Sep 2017	Mérida, Spain	I	25	Spain
618	Training course	BTU	P Tsonkova and C Böhm gave presentations on "Introduction to agroforestry and its benefits to soil, water and biodiversity" for students from schools in southern Brandenburg	21 Sep 2017	Peickwitz, Germany	Ed	50	Germany
619	Training course	INRA-Ferlus	Staff at INRA gave a course on "Innovating on cattle production"	26 Sep 2017	Lusignan, Paris	Ed	72	France
620	Exhibition and art competition	SoE-KKK	Staff from SoE-KKK supported Bogyzsloi Vándorló Fak (Migratory trees in the wood pasture at Bogyzszió) http://www.ddnp.hu/index.php?pg=news_111_26_30	29 Sep 2017	Szaporca, Hungary	Ed	1000	Hungary
621	Training course	INRA	Staff from INRA led a short course for researchers	9-13 Oct	Pont-à-	SC	20	France

		DiaScope	on Participatory Research	2017	Mousson, France			
622	Training course	INRA- SYSTEM	D. Mézière and M. Gosme led a course on temperate agroforestry covering what for and how to develop, and multispecies systems, which included a field visit to the silvoarable systems in Restinclières	17-18 Oct 2017	Montpellier, France	Ed	20	France
623	Training workshop	VEN	C. Dalla Valle provided workshop to university students on hedges and agroforestry systems in Veneto rural areas	20 Oct 2017	Montecchio P., Vicenza, Italy	Ed.	70	Italian
624	Training course	UEX	Gerardo Moreno led a session on “The nature of Mediterranean wood pastures and criteria for eligibility of permanent pastures for CAP payments” at the “Cattle, Sheep, Grasslands and CAP” training course	23-24 Oct 2017	Mérida Spain	I, Pol,	30	Region of Extremadura, Spain
Presence at trade show								
625	Trade show	AGROOF	Presence at Innovagri	6-8 Set 2017	Outarville, France	I, Ed, Pol	30000	France

2.2 Section B (Confidential¹⁷ or public: confidential information to be marked clearly)

This section specifies the exploitable foreground and provide the plans for exploitation.

2.2.1 Part B1

CNR has applied for a patent for two cultivars that have been tested for shade tolerance.

B1: List of applications for patents, trademarks, and registered designs etc

Type of IP Rights:	Confidential Click on YES/NO	Foreseen embargo date dd/mm/yyyy	Application reference(s) (e.g. EP123456)	Subject or title of application	Applicant (s) (as on the application)
PATENT	NO	29/02/2016	SIAN14987	Lolium rigidum NURRA	CNR ISPAAM
PATENT	NO	29/02/2016	SIAN15016	Medicago polymorpha	CNR ISPAAM

2.2.2 Part B2

Please complete the table hereafter:

Type of Exploitable Foreground ⁴	Description of exploitable	Confidential Click on YES/NO	Foreseen embargo date	Exploitable product(s) or measure(s)	Sector(s) of application ⁵ ₂₀	Timetable, commercial or any other use	Patents or other IPR exploitation (licences)	Owner & Other Beneficiary(s) involved

In addition to the table, please provide a text to explain the exploitable foreground, in particular:

- Its purpose; how the foreground might be exploited, when and by whom
- IPR exploitable measures taken or intended; further research necessary, if any; potential/expected impact (quantify where possible)

⁴ A drop down list allows choosing the type of foreground: General advancement of knowledge, Commercial exploitation of R&D results, Exploitation of R&D results via standards, exploitation of results through EU policies, exploitation of results through (social) innovation

⁵ A drop down list allows choosing the type sector (NACE nomenclature) : http://ec.europa.eu/competition/mergers/cases/index/nace_all.html

3 Report on societal implications

The objective of this section is to assist the Commission in obtaining statistics and indicators on societal and socio-economic issues addressed by projects. The questions are arranged in a number of key themes. As well as producing certain statistics, the replies will also help identify those projects that have shown a real engagement with wider societal issues, and thereby identify interesting approaches to these issues and best practices. The replies for individual projects will not be made public.

A. General information

Grant agreement number: [613520](#)

Title of Project: AGFORWARD

Name and title of Co-ordinator: [Dr Paul Burgess](#)

B. Ethics

1. Did your project undergo an Ethics Review (and/or Screening)?	Yes
• If Yes: have you described the progress of compliance with the relevant Ethics Review/Screening Requirements in the frame of the periodic/final project reports?	Yes
Special Reminder: the progress of compliance with the Ethics Review/Screening Requirements should be described in the Period/Final Project Reports under the Section 3.2.2 'Work Progress and Achievements'	
2. Please indicate whether your project involved any of the following issues (tick box) :	
Research on humans	
Did the project involve children?	No
Did the project involve patients?	No
Did the project involve persons not able to give consent?	No
Did the project involve adult healthy volunteers?	Yes
Did the project involve Human genetic material?	No
Did the project involve Human biological samples?	No
Did the project involve Human data collection?	No
Research on human embryo/foetus	
Did the project involve Human Embryos?	No
Did the project involve Human Foetal Tissue / Cells?	No
Did the project involve Human Embryonic Stem Cells (hESCs)?	No
Did the project on human Embryonic Stem Cells involve cells in culture?	No
Did the project on human Embryonic Stem Cells involve the derivation of cells from Embryos?	No
Privacy	
Did the project involve processing of genetic information or personal data (eg. health, sexual lifestyle, ethnicity, political opinion, religious or philosophical conviction)?	No
Did the project involve tracking the location or observation of people?	No
Research on animals	
Did the project involve research on animals?	Yes
Were those animals transgenic small laboratory animals?	No
Were those animals transgenic farm animals?	No

Were those animals cloned farm animals?	No
Were those animals non-human primates?	No
Research involving developing countries	
Did the project involve the use of local resources (genetic, animal, plant etc)?	No
Was the project of benefit to local community (capacity building, access to healthcare, education etc)?	No
Dual use	
Research having direct military use	No
Research having the potential for terrorist abuse	No

C. Workforce statistics

3. Workforce statistics for the project: Please indicate in the table below the number of people who worked on the project (on a headcount basis).		
Type of position	Number of Women	Number of Men
Scientific Coordinator		1
Work package leaders	3	8
Experienced researchers (i.e. PhD holders)	48	72
PhD Students	12	6
Other	46	48
4. How many additional researchers (in companies and universities) were recruited specifically for this project?		36
Of which, indicate the number of men:		23

D. Gender aspects

5. Did you carry out specific Gender Equality Actions under the project?		☒ Yes ☐ No	
6. Which of the following actions did you carry out and how effective were they?			
		Not at all effective	Very effective
✓	Design and implement an equal opportunity policy	☐ ☐ ☐	☒ ☐
✓	Set targets to achieve a gender balance in the workforce	☐ ☐ ☐	☒ ☐
✗	Organise conferences and workshops on gender	☐ ☐ ☐	☐ ☐
✓	Actions to improve work-life balance	☐ ☐ ☒	☐ ☐
	Other:		
7. Was there a gender dimension associated with the research content – i.e. wherever people were the focus of the research as, for example, consumers, users, patients or in trials, was the issue of gender considered and addressed?			
☒ Yes – please specify:		<div style="border: 1px solid black; padding: 5px; width: fit-content;"> Yes, gender was considered in the PPGIS analysis </div>	
☐ No			

E. Synergies with Science Education

8. Did your project involve working with students and/or school pupils (e.g. open days, participation in science festivals and events, prizes/competitions or joint projects)?	
☒ Yes – please specify:	SoE-KKK was particularly involved in school curriculum development associated with agroforestry
☐ No	
9. Did the project generate any science education materials (e.g. kits, websites, explanatory booklets, DVDs)?	
☒ Yes – please specify:	The project produced innovation leaflets, training materials on agroforestry and agroforestry modelling software
☐ No	

F. Interdisciplinarity

10. Which disciplines are involved in your project?	
☐ Main discipline	4. Agricultural science: 4.1 Agriculture, forestry etc
☐ Associated discipline	5. Social sciences; 5.4 Other social sciences
☐ Associated discipline	1. Natural sciences: 1.5 Biological sciences

G. Engaging with civil society and policy makers

11a. Did your project engage with societal actors beyond the research community	☒ Yes ☐ No
11b. If yes, did you engage with citizens (citizens' panels/juries) or organized civil society (NGOs, patients' groups etc)	
☐ No ☒ Yes – in determining what research should be performed ☒ Yes-- in implementing the research ☒ Yes, in communicating/disseminating/using the results of the project	
11c. In doing so, did your project involve actors whose role is mainly to organize the dialogue with citizens and organized civil society (e.g. professional mediator; communication company, science museums)	☐ Yes ☒ No
12. Did you engage with government/public bodies or policy makers (including international organisations?)	
☐ No ☒ Yes – in framing the research agenda ☒ Yes-- in implementing the research agenda ☒ Yes, in communicating/disseminating/using the results of the project	
13a. Will the project generate outputs (expertise or scientific advice) which could be used by policy makers?	
☒ Yes – as a primary objective in agriculture, culture, environment ☐ Yes – as a secondary objective in research and innovation ☐ No	
13b. If yes, in which field?	

Agriculture	●	Energy	Human rights
Audiovisual and Media		Enlargement	Information Society
Budget		Enterprise	Institutional affairs
Competition		Environment	● Internal Market
Consumers		External Relations	Justice, freedom and security
Culture	●	External Trade	Public Health
Customs		Fisheries and Maritime Affairs	Regional Policy
Development Economic and Monetary Affairs		Food Safety	Research and Innovation
Education, Training, Youth		Foreign and Security Policy	Space
Employment and Social Affairs		Fraud	Taxation
		Humanitarian aid	Transport
13c. If Yes, at which level?			
● Local / regional levels			
● National level			
● European level			
● International level			

H. Use and dissemination

14. How many Articles were published/accepted for publication in peer-reviewed journals?	48
To how many of these is open access ²² provided?	48
How many of these are published in open access journals?	1
How many of these are published in open repositories?	47
To how many of these is open access not provided?	
Please check all applicable reasons for not providing open access:	
○ Publisher's licensing agreement would not permit publishing in a repository	
○ No suitable repository available	
● No suitable open access journal available	
○ No fund available to publish in an open access journal	
○ Lack of time and resources	
○ Lack of information on open access	
○ Other: cost of providing public access is very high	
15. How many new patent applications ('priority filings') have been made?	0
16. Indicated how many of the following Intellectual Property	0
Rights were applied for (give number in each box)	Registered design 0
	Other 0
17. How many spin-off companies were created/are planned as a direct result of the project	0
Indicate the approximate number of additional jobs in these companies	0
18. Please indicate whether your project has a potential impact on employment, in comparison with the situation before your project:	
● Increase in employment, or	
○ Safeguard employment, or	
○ Decrease in employment	
○ Difficult to estimate / not possible to quantify	
● In small & medium-sized enterprises	

- In large companies
- None of the above / not relevant to the project

19. For your project partnership please estimate the employment effect resulting directly from your participation in Full Time Equivalent (FTE = one person working fulltime for a year) jobs: 10

Difficult to estimate / not possible to quantify ✓

I. Media and communication to the general public

20. As part of the project, were any of the beneficiaries professionals in communication or media relations?	Yes
21. As part of the project, have any beneficiaries received professional media / communication training / advice to improve communication with the general public?	Yes
22. Which of the following have been used to communicate information about your project to the general public, or have resulted from your project?	
☒ Press release ☒ Media briefing ☒ TV coverage / report ☒ Radio coverage report ☒ Brochure / posters / flyers ☒ DVD / Film / Multimedia ☒ Coverage in specialist press ☒ Coverage in general (non-specialist) press ☒ Coverage in national press ☒ Coverage in international press ☒ Website for the general public / internet ☒ Event targeting general public (festival, conference, exhibition, science café)	
23. In which languages are the information products for the general public produced?	
☒ Language of the coordinator ☒ English ☒ Other languages(s)	



DSPACE

<https://dspace.org/>

AGFORWARD Project Final Report

Burgess, Paul J.; den Herder, Michael; Dupraz, Christian; Garnett, Kenisha; Giannitsopoulos, Michail ...

2018-02-28

Cranfield University

<https://cordis.europa.eu/docs/results/613/613520/final1-agforward-final-report-28-feb-2018.pdf>

Burgess PJ, den Herder M, Dupraz C, et al., AGFORWARD Project Final Report, (2018). AGFORWARD PROJECT Final Report. Cranfield University: AGFORWARD