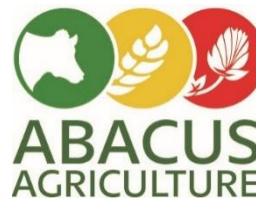


Trees and Livestock Workshop

Longnor, Shropshire 25 January 2018



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 727872.



Programme:

- 10:30: Introduction to workshop (Ian Knight)
- 10:45: Background and overview of the farm and agroforestry system (Tim Downes)
- 11:00: Farm tour of the dairy and agroforestry system at The Farm, Longnor
- 12:30: Lunch back at Longnor Village Hall**

Afternoon Workshop

- 13:00: UK agroforestry innovation network, aims of trees and livestock group (Ian Knight)
- 13:20: Demonstration of AFINET agroforestry Knowledge Cloud (ORC Jo Smith and Sally Westway)
- 13:40: Presentations from two farmers with tree and livestock agroforestry systems
- 14:20: Tea, cake and a chance to have a demo with the knowledge cloud**
- 14:40: Discussions in four groups (volunteer facilitators to lead each group).
- 15:40: Feedback on group discussions from volunteer facilitators including vote on next event
- 16:00: Close (Ian Knight and ORC)



AFINET Trees and Livestock Workshop

- **Introductions**
 - ◆ Co-ordinators, speakers and group participants
- **Purpose of today;**
 - ◆ To hear stories from others
 - ◆ To provide open discussion
 - ◆ To facilitate ideas for further workshops that fit YOUR requirement – theory and practical...

Tim Downes - @clovermad



Farm tour

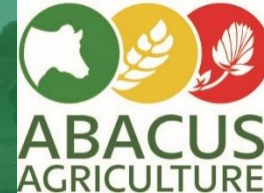
- ***1100hrs – wellies on!***
- ***Back here for lunch at 12:30hrs***

Programme:

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AGROFORESTRY INNOVATION NETWORKS



Supporting innovation through enhancing knowledge transfer between farmers, foresters, researchers and advisers.

In the UK, the AFINET project is led by the Organic Research Centre and Abacus Agriculture



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1st RAIN meeting

* **Between June and September 2017**

* **Main GOAL:**

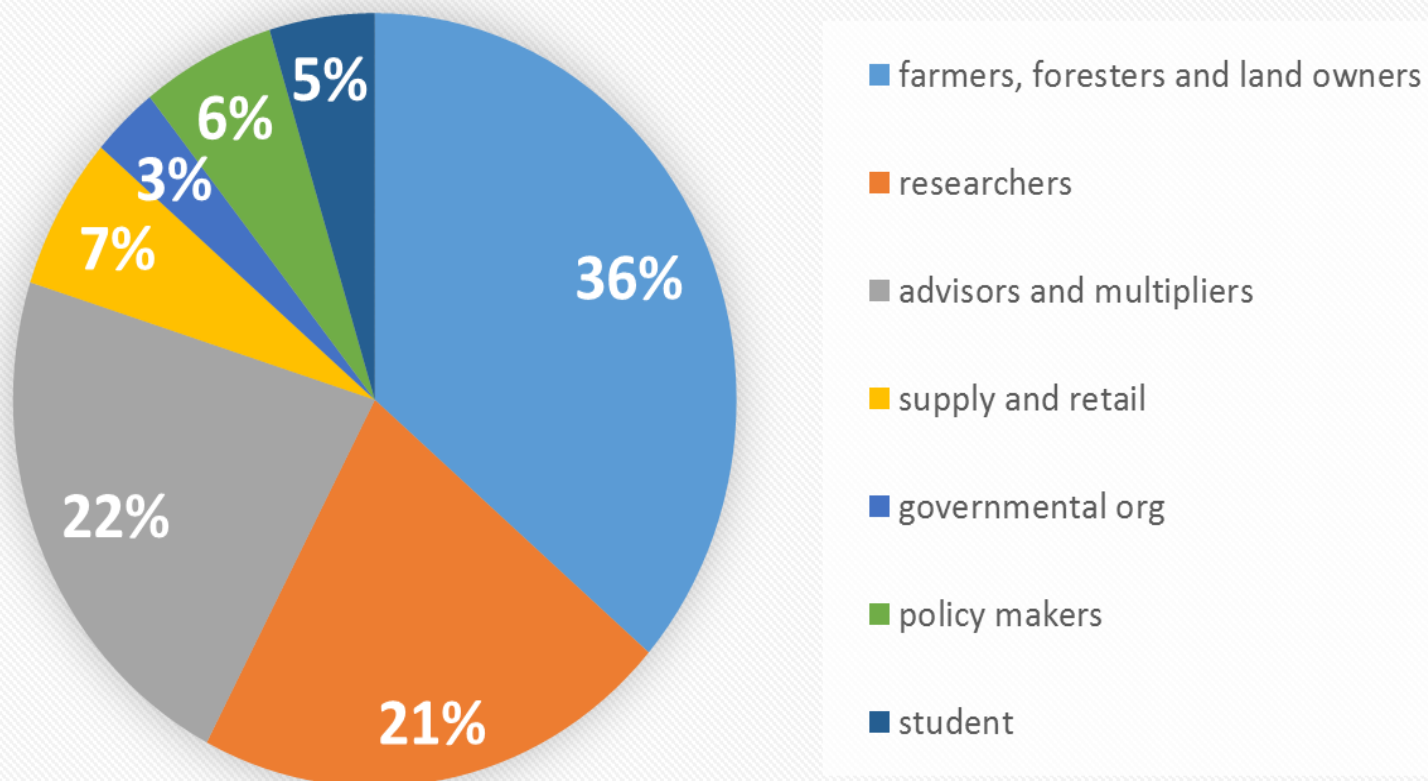
**gather bottlenecks, challenges, knowledge gaps to
identify the focus of the project**



N° participants in the 1st RAINs



Total representation of stakeholders in the 9 RAINs



In total 234 stakeholders participated in 9 different countries



Focus on parallel bottlenecks among regions



Summarizing table of parallel bottlenecks and problems among the different regions.

Communication/Dissemination/awareness raising

Lack of knowledge of general public of AF & high quality AF products and the ecosystem services AF provides

How to get more farmers aware of the benefits of AF (environmental and financial)

Lack of dissemination on case studies, top examples, experimental farms,..

Lack of specialized training on AF, training material and initiatives

Technical aspects/ management

animal stock rates in AF systems

Lack of practical guidelines, good practices (e.g. pruning, grafting, tree spacing, fertilization, treatments, ...)

Lack of pilots and demonstration sites

Info on appropriate species/varieties choice (combination animal, tree, crop) in function of climate (change), soil conditions and land use in order to maximize production, soil improvement, parasitic antagonists.,...

Nutritional value (& medicinal function) of fruits, pastures, tree fodder

Adequate seedling/tree protection (effective and economic)

Cooperative use of machinery/animals for management

Lack of advisors and officers (from the administration) specialized on AF

Lack of knowledge on how AF can help with water management, droughts and climate change adaptation

	ES	UK	BE	PT	PL	HU	IT	FR	FI	TOT
Lack of knowledge of general public of AF & high quality AF products and the ecosystem services AF provides	1				1	1	1		1	5
How to get more farmers aware of the benefits of AF (environmental and financial)	1	1	1		1	1		1		6
Lack of dissemination on case studies, top examples, experimental farms,..	1			1	1					3
Lack of specialized training on AF, training material and initiatives	1			1	1			1		4
animal stock rates in AF systems	1			1					1	3
Lack of practical guidelines, good practices (e.g. pruning, grafting, tree spacing, fertilization, treatments, ...)	1	1		1	1	1	1	1		7
Lack of pilots and demonstration sites	1	1		1	1				1	5
Info on appropriate species/varieties choice (combination animal, tree, crop) in function of climate (change), soil conditions and land use in order to maximize production, soil improvement, parasitic antagonists.,...	1	1	1	1	1		1	1	1	8
Nutritional value (& medicinal function) of fruits, pastures, tree fodder		1	1	1		1				4
Adequate seedling/tree protection (effective and economic)	1	1	1	1		1		1	1	7
Cooperative use of machinery/animals for management		1	1	1			1			4
Lack of advisors and officers (from the administration) specialized on AF	1					1		1		3
Lack of knowledge on how AF can help with water management, droughts and climate change adaptation	1						1			2



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Chain development and commercialization and Economical aspects

Better view on the demand, supply & marketing opportunities for

AF products

1 1 1 1 1 1 1 1 1 9

Lack of valorization of AF products (e.g. noble wood; understory biomass)

1 1 1 1 1 1 6

Label/certificate/branding AF for high quality and low impact products

1 1 1 1 5

Cooperation development for marketing AF products

1 1 1 1 5

Valorization of ecosystem services

1 1 1 1 5

Lack of information on cost benefit analysis of (traditional) AF systems

1 1 1 1 1 1 1 8

Find right tree/ crop/ livestock association (use) to improve profitability of AF systems in the short term

1 1 1 1 4

Administrative and legal aspects

Lack of recognition of agroforestry / no legal definition

1 1 1 3

Lack or inadequate financial or policy measures to support AF

1 1 1 1 1 1 6

Subsidy system & legislation designed for big companies while average farms are small

1 1 1 3

Incompatible policies

1 1 1 3

Lack of clarity about tree planting under the CAP and it's implications. Poor communication of the CAP policy to farmers (complicated and not

UK Agroforestry Innovation Network



Working with the Farm Woodland Forum

Bring together farmers, growers, researchers and innovators who share a common interest in agroforestry.

We will coordinate a web based knowledge hub and organise a series of practical on farm events tailored to the interests and needs of the network subgroups – this is the livestock group!

Aims:

- identify and fill gaps in current knowledge
- share ideas that work well
- identify opportunities for innovation





Tree Fodder workshop
Elm Farm, Berkshire
May 2017
23 participants

UK Initial Meetings



Agroforestry for Growers
workshop, Pangbourne
September 2017
19 participants



Trees and Livestock
workshop, Pitlochry,
Scotland September 2017
21 participants

3 workshops + on-line survey (132 responses)

Biggest problems and barriers to setting up an agroforestry system

Economics

Policy

Time and expertise

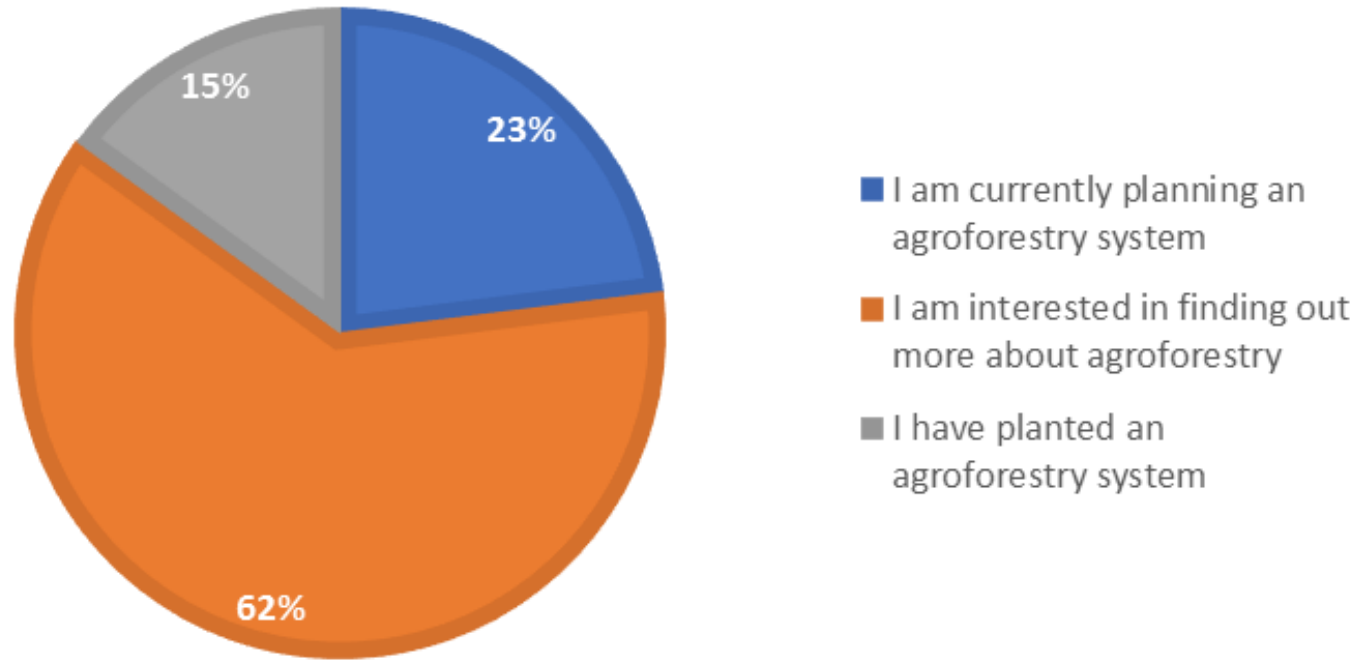
What additional information on agroforestry would be useful?

Working examples/ case studies,

Profitability, yield data. Costs/ benefits.

System design, species choice

AT WHAT STAGE ON YOUR AGROFORESTRY JOURNEY ARE YOU?



Challenges - scored for importance to address	Mean score
Improving policy support tools to promote agroforestry	5.3
Reducing legislative uncertainty with regard to tree planting on agricultural land	4.9
Development of practical guidelines/best management practices for tree and tree understorey management	5.7
More information on optimal tree/crop/livestock combinations, in order to maximize productivity, soil improvement etc.	5.7
Informing consumers and society in general about agroforestry and its benefits	5.1
Access to case studies: showcasing farms which demonstrate good agroforestry practices	5.4
More information on the costs and benefits of specific agroforestry systems	5.4
Better understanding of the value chain of agroforestry products	5.2

How to tackle these common challenges?

Economic aspects and chain development:

1) Lack on information on cost-benefit analysis of AF systems

⇒ Develop a **set of factsheets with exemplary cost-benefit analysis** for a range of concrete AF scenarios. This will be done starting from existing calculation templates and models.

⇒ Combine each fact sheet with a **‘farm calculator’** (simplified online platform where farmers/ advisors can modify the calculations to their own situation)

2) Better view on the demand, supply & marketing opportunities for AF products

⇒ Start making a **description of existing market chains** for AF products (nuts, olives, timber, ...), identify strenghts, weaknesses, opportunities and threats (**SWOT**) in order to define recommendations/methodology on how to organize a value chain.

How to tackle these common challenges?

Communication and awareness raising

3) Lack of information about agroforestry and its benefits

⇒ Press releases and articles to inform society

4) Lack of specialized knowledge and training about AF

⇒ Translation of Agforward

⇒ Booklet of case studies and online map

⇒ Interviews with RAIN members

⇒ Training videos and modules

How to tackle these common challenges?

Policy and administration

1) Lack or inadequate financial and/or policy measurements to support AF.

⇒ Develop power points with policy problems to be discussed on different levels (EU, national and regional) and temporary scales (current problems and post-2020)

2) Lack of clarity about tree planting under the CAP and its implications of the CAP policy to farmers

⇒ Development fact sheets “current policy on AF at regional level”

⇒ Inventory of problems/region and how these were solved

⇒ Develop infographic material: to illustrate problems and solutions from previous points.

How to tackle these common challenges?



Technical aspects and management

1) Lack on practical guidelines

=>Translate AGFORWARD fact sheets

- Lack of information on tree protection
 - ⇒ Develop articles and fact sheets
- Lack of information on management techniques
 - ⇒ Develop technical articles/fact sheets about pruning for fruit trees, pruning timber, tree fodder, biomass, animal stocking rates, ...
- Soil and water management in AF systems (discussion on approach is ongoing)



Trees and Livestock Group

The group will help guide the content of the UK agroforestry network knowledge base.

Group members will:

- Have an opportunity to meet up a couple of times a year on different farms to look and learn from different people at different points on their agroforestry journey.
- Have access to an online forum to communicate between group members (also linked to relevant networks).
- Have access to relevant training and resources, via the Knowledge Cloud, website and events.

AFINET 'Knowledge Cloud' demo



- Online source of all kind of information about agroforestry.
- Ability for all to search and upload
- Currently functioning but under development – feedback welcome!
- Will be available on the EURAF website.....

<http://www.agroforestry.eu/afinet/knowledge-cloud/>



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Copernicus EU
@CopernicusEU

The outline of the agenda of our #Copernicus4Agri workshop has been published!
Register at copernicus.eu/agrworkshop



Jan 5, 2018



intranet

AFINET

Agroforestry (AF) is a type of climate-smart agriculture (CSA) practice of deliberately integrating woody vegetation (trees or shrubs) with crop and/or animal systems to benefit from the resulting ecological and economic interactions.

Based on the economic and environmental relevance of this activity, a consortium of 13 partners from 9 European countries, launch AFINET (AgroForestry Innovation NETWORKS), a thematic network aimed to foster the exchange and the knowledge transfer between scientists and practitioners in the agroforestry. AFINET will act at EU level in order to take up research results into practice and to promote innovative ideas to face challenges and resolve problems of practitioners. To achieve this objective AFINET proposes an innovative methodology based on:

- (i) The creation of a European Interregional network, composed of "Regional Agroforestry Innovation Networks (RAINs)", working groups created in 9 strategic regions of Europe (Spain, UK, Belgium, Portugal, Italy, Hungary, Poland, France and Finland), interconnected and articulated through the figure of the "Innovation Broker". RAINs represent different climatic, geographical, social and cultural

English ▾



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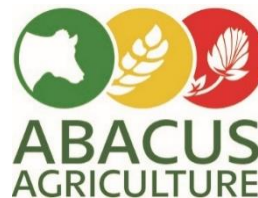


Trees and livestock – a farmer’s perspectives

Peter Aspin



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Programme:

Afternoon Workshop

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Discussion Workshop

In four groups (Felicity, Sarah, Ulrich and one other) with one current practitioner (Tim D, Peter A, and one other).

The focus will be on:

- Sharing experiences and informal Q & A
- What you'd like from this group
- Priorities for future events (e.g. specific training, speakers, a farm/site to visit) – we will vote at the end
- What you would like out of economic (gross margin) tool for agroforestry

c. 50 minutes

Group Feedback Session

- **Facilitators to feedback key points**
- **Top 3 titles for next events – from the post it requests**

Workshop Close

- Many thanks and travel safe...