

BRANCHES

Boosting RurAl bioeconomy Networks following multi-actors approaCHES (No. 101000375)

Deliverable

D5.3 Dissemination and Communication material

Deliverable Lead: Matteo Monni

Deliverable due date: 30.06.2021

Actual submission date: 22.06.2021

Version: 1.0





Document Control Page				
Title	Dissemination Communication material			
Creator	Matteo Monni			
Description	Dissemination and Communication materials are always relevant documents for the success of each Project. ITABIA, leader of WP5, together with the other project partners, has already developed the various tools to be used to facilitate the transfer of information relating to our Project (BRANCHES). With this in mind, the communication will focus on word processing, also taking great care of editing. This will make the material produced by BRANCHES interesting and enjoyable at the same time. This report contains a detailed description of the dissemination and communication materials in BRANCHES project up to the end of June 2021.			
Contributors	Carolina Lombardini, Alberto Del Lungo, Matteo Monni, Johanna Routa			
Creation date	15.06.2021			
Туре	Report			
Language	English			
Audience	public			
Review status	Coordinator accepted			



Table of Contents

1	Executive summary	4
2	Deliverable Description	4
	Purpose of the document	4
3	BRANCHES logo	5
	BRANCHES logo	5
	Graphical Identity	5
4	Document templates	7
	Minutes, Report and Deliverables	7
	Practice Abstracts	9
	Newsletter	10
5	Promotional materials	11
	Brochure	11
	Banner	11
	Poster and Roll up	12
6	Conclusions	13
Αı	nnex I. Logo Selection	14
Αı	nnex II. Power Point for presentations	18
Αı	nnex III. Minutes for meeting	20
Αı	nnex IV. Report activity (just 5 pages of 29)	25
Αı	nnex V. Deliverable (just 5 pages of 10)	30
Αı	nnex VI. Practice Abbstract	33
Αı	nnex VII. Newsletter (Front page)	35
Αı	nnex VIII. Roll up	36

DISCLAIMER

The sole responsibility for the content of this publication lies with the BRANCHES project and in no way reflects the views of the European Union.



1 Executive summary

BRANCHES project aims to underline the projects focus on the knowledge transfer and innovation in agriculture, forestry and rural areas.

In implementing communication activities, BRANCHES will follow a two-steps approach: delivering targeted messages to stakeholder groups and building bridges between them. This work will be based on a series of tools to inform - about the activities carried out and the results obtained - the various components of the different National Thematic Networks. Therefore, the BRANCHES Dissemination and Communication materials play a central role in the success of the Project. This is the reason why we have designed and created formats to facilitate the transfer of information related to our Project. Thus, in addition to defining the logic and language to be used in writing the texts, we have given great importance to the care of their editing, to make the material produced by BRANCHES interesting and enjoyable at the same time.

2 Deliverable Description

Purpose of the document

The present document is a report on the real outcome of the project dissemination materials. This report contains a detailed description of the dissemination and communication materials in BRANCHES project up to the end of June 2021.

Deliverable D5.3, Dissemination and Communication material, has been prepared by WP5 leader (ITABIA) with inputs from all the other project partners, describes all the templates that have been created to convey information, both within the consortium of partners and to the project stakeholders (NTNs). These materials will serve to facilitate the communication and dissemination strategy during the project. This document is a living document and updates will be made until the last months of the project (M30). This document describes the materials that have been produced in full compliance with the timing and logical and aesthetic criteria suitable for our purposes. These are:

- Project Logo
- Document templates (Minutes of meetings, Report activity, Deliverables, Power Point for presentation, Practice Abstract, Newsletter)
- Promotional materials (Brochure, Banners, Posters, Rollups)



3 BRANCHES logo

BRANCHES logo

A strong graphic identity strengthens the project's image, creating a positive and lasting impression. It also contributes to an effective, consistently and correctly communication of BRANCHES main concepts and ideas. The starting point to create this graphical identity is the project logo. For this purpose, four different logo proposals were made. The idea behind each logo was explained, in order to help partners to vote for their favorite. Figure 1 shows the finally selected logotypes for the BRANCHES project. In order to use the logo on any type of chromatic background or level of definition, versions of various colors have been created (even in negative) and with different extensions suitable for various types of printing (typographic or digital).

Graphical Identity

The design, which depicts a stylized tree with branches contained in a geometric space, serves to recall the following aspects:

- Biomass as natural and renewable raw material
- Geometry as (sustainable) management of (rural) lands
- Branches as networks of contacts among stakeholders (NTNs)
- Colors as the cyclical nature of the seasons and the circularity of the economy





Figure 1 - BRANCHES logo (full project name and acronym)







Figure 2 - BRANCHES logo (Black)



Figure 3 - BRANCHES logo (Negative 1)



Figure 4 - BRANCHES logo (Negative 2)

The whole selection procedure for the all 4 versions of logos and the explanations behind their design is reported in Annex I.



4 Document templates

Minutes, Report and Deliverables

Between the first and second month of the Project's life, WP5 developed the necessary formats to record the activities carried out, both to be used internally by the Consortium (Power Point for presentation and Minutes of meetings), and for all documents to be sent to the European Commission (Report activities and Deliverables).

All the templates were designed to ensure maximum harmony of the documents in the presentation of the contents and in the form. Thus, each of the templates provides, with different details, the ordered collection of the following elements:

- Topic
- Author
- Date
- Index
- Executive Summary
- Description

For more details, templates are available in the following annexes:

- Annex II "Power Point"
- Annex III "Minutes of meetings"
- Annex IV "Report Activities"
- Annex V "Deliverable"





BRANCHES

Boosting RurAl bioeconomy Networks following multi-actors approaCHES

Deliverable

Kick-off meeting minutes

Deliverable Lead: LUKE
Deliverable due date: ././2021
Actual submission date: ././2021

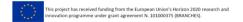


Figure 5 – Minute of meeting (front page)



BRANCHES

Boosting RurAl bioeconomy Networks following multi-actors approaCHES

Partners activity Report Grant Agreement number: 10100875 Project acronym: BRANCHES Project tide: Boosing Rural bioeconomy Networks following multi-actors approacHES Project type: Coordination and Support Action Periodic report: X activity report Period covered: from DD-MM-YYY to DD-MM-YYY This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 10100375

Figure 6 - Report activity (front page)





BRANCHES

Boosting RurAl bioeconomy Networks following multi-actors approaCHES



Figure 7 – Deliverable (front page)

Practice Abstracts

During the project at least 50 Practice Abstracts (PA) will be produced. PAs are fundamental tools to promote virtuous and innovative models in the agricultural, forest and bioenergy sector tailored to practitioners. The template for PAs is designed to contain all relevant elements to describe a good practice. It contains pictures, photos and keywords and includes also few information regarding the BRANCHES project including its website, the partnership, the EU founding etc.

PAs have been designed according the EIP format (https://ec.europa.eu/eip/agriculture/en/eip-agri-common-format), whereas the dissemination document is a pdf created by the BRANCHES Communication Committee. PAs need to be presented in an understandable manner, written in English however, the most relevant PAs are also translated in national languages by partners. The template of PA is in Annex VI.



Newsletter

In order to communicate directly with stakeholders, NTNs and general public, the Newsletter has been created. It helps to maintain regularly contact with them, updating about events, news, relevant information in the bioeconomy sector, etc. The "Newsletter – Information provided by the branches project" is published every 4 months, thus 3 times per year and it will be editing with the contribution of all the project partners. It is organized in the following 5 sections:

- ✓ Branches Project news to talk about: upcoming initiatives or events (workshops, webinars, showcase days, meetings, etc.), project results (short reports on the initiatives done), good practices (brief description of new PAs and links to fact sheets), recorded videos, etc.;
- ✓ News from the bioeconomy world themes such as: EU Calls and funding, laws and regulations, technological innovations, etc.;
- ✓ The Practioner's Voice: new ideas, tips and advices from the NTNs;
- ✓ An expert's point of view: opinions on the bioeconomy of illustrious people (scientists, politicians, entrepreneurs, etc.);
- ✓ Events tips: advises of future events in the bioeconomy sector in EU.

All Newsletter issues, which will always highlight the link of BRANCHES website (**www.brachesproject.eu**), will be archived in a specific section of the project website which will also function as document repository of all the project activities and related information of interest. Annex VII provides the first page of newsletter issue n. 1.



5 Promotional materials

Brochure

The project brochure is presented as an A4 format trifold brochure. It presents an accurate summary of the entire project, frames the context, the project tools that will be developed and the project expected results. Here also, it was worked to identify an elegant style, from a graphic point of view, that was enriched by photos and illustrations and was accompanied by a good care of the text. Brochure was produced in English but will also be translated by project partners in their own native languages.



Figure 8 - The BRANCHES brochure

Banner

It will be used during the events: it is very graphic with the logo, the project name and the space for date, place and event title.



Figure 9 – The banner



Poster and Roll up

They are in two different formats to be adaptable to different project contexts; they will be used to summarize the main actions of the project though simple concepts and attractive and effective infographics. 4 symbolic pictures have been specifically designed for this purpose: a lumberjack with an axe in one hand and a test tube in the other to express the connection between practitioners and research; the tree branches leaves on an European map connect the different project partners to symbolize the goal of exchanging information and comparing needs; the chipper that troughs coins and banknotes is a reference to the circular bioeconomy; the tree branches that enter the computer monitor are the contact networks for technology transfer. Both poster and roll-up (see Annex VIII) will be translated in the different countries languages to be used during events as workshops, showcase days, etc. organized by the project partners.



Figure 10 – the poster



6 Conclusions

BRANCHES communication activities aim to maximize the impact of project results. This objective is to ensure high visibility of the project in Europe. The BRANCHES dissemination materials has been implemented, considering all the aspects that constitute a good dissemination: a simple, clear and easy look and feel that follows the graphic identity of the project; well-structured contents that cover different targets groups. All templates, banners, posters and power point presentations are available in internal webpages for project partners, and all public materials like brochure, newsletters, Practical abstracts etc. in public BRANCHES web pages.



Annex I. Logo Selection

Proposal number 1



BOOSTING **R**UR**A**L BIOECONOMY **N**ETWORKS FOLLOWING **/** MULTI-ACTOR APPROA**CHES**



Simple and immediate. In the foreground appears the tree shaped by the branches of the "acronym" that produce leaves and therefore renewable resources. The use of colors gives the brand a sense of transformation and continuity over time (4 seasons). Unique among all the proposals to present the full title of the Project.



Proposal number 2





The branches are the protagonists and in this logo they come directly from word "Branches" generating a dense network of contacts and connections; central topic in this project.



BRANCHS BOOSTING RURAL BIOECONOMY NETWORKS

Proposal n°3 Branches



The letters that make up the acronym are themselves branches bearing leaves. The strength of the shaft of the font used and the compactness of the whole, allows an immediate reading key and an easy graphic application.



Proposal number 4





Brand and logo merged together, the stem/trunk of the flower/tree is composed starting from the letter "C" (Circular) and develops in a continuous and circular spiral that expresses the meaning of the message of the "Branches" project.



Annex II. Power Point for presentations









Venue Date 00/00/0000



Title title title

Text: lorem ipsum dolor sit amet consincidunt labore ut dolore magna trud exerciattion



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No. 101000375





Venue Date 00/00/0000



Partners:



























This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No. 101000375



Annex III. Minutes for meeting



BRANCHES

Boosting RurAl bioeconomy Networks following multi-actors approaCHES

Deliverable

Kick-off meeting minutes

Deliverable Lead: LUKE

Deliverable due date: ../../2021

Actual submission date: ../../2021

Version: 1.1



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement N. 101000375 (BRANCHES).



	Document Control Page		
Title	Kick-off Meeting Minutes		
Creator	Johanna Routa (LUKE)		
Description	Minutes of the project kick-off meeting, held in, on 2-3/02/2021		
Contributors	LUKE, with contributions from all partners		
Creation date			
Туре	Report		
Language	en-GB		
Audience	Confidential		
Review status	(Coordinator accepted)		

BRANCHES | GA N. 101000375 Kick-off meeting minutes



Table of Contents

1.	Executive summary	1
2.	Deliverable Description	1
1	Fuesday 1 February 2021	1
	Wednesday 3 February 2021 Errore. Il segnalibro non è defini	to.



1. Executive	summary
--------------	---------

TE)	XΤ	٠.				

2. Deliverable Description

Event: Kick off Meeting Minutes

Date: Venue:

Tuesday 2 February 2021

Participants

LUKE	Johanna Routa
CNR IBE	Natascia Magagnotti Raffaele Spinelli
VTT	
UWM	
DBFZ	
CIRCE	
ITABIA	Carolina Lombardini Alberto Del Lungo Matteo Monni Vito Pignatelli
MTK	
AVEBIOM	
UFZ	
WMODR	
BEV	
EU/REA	

The session opened with the greetings from

BRANCHES | GA N. 101000375 Kick-off meeting minutes Pag. 2 | 5



Wednesday 3 February 2021

Participants

LUKE	Johanna Routa
CNR IBE	Natascia Magagnotti Raffaele Spinelli
VTT	
	•••••
UWM	
DBFZ	
CIRCE	
ITABIA	Carolina Lombardini
	Alberto Del Lungo
	Matteo Monni
	Vito Pignatelli
MTK	
AVEBIOM	
1157	•••••
UFZ	•••••
WMODR	
BEV	
	•••••
EU/REA	•••••

The second day of the meeting intended to go deep in discussions on



Annex IV. Report activity (just 5 pages of 29)



BRANCHES

Boosting RurAl bioeconomy Networks following multi-actors approaCHES

Report

Partners activity Report

Grant Agreement number: 10100375

Project acronym: BRANCHES

Project title: Boosting Rural bioeconomy Networks following multi-actors approaCHES

Project type: Coordination and Support Action

Periodic report: X activity report

Period covered: from DD/MM/YYY to DD/MM/YYY



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 10100375





Table of Contents

1	Project	Progress	3
1	1.1	Work progress and achievements during the period	3
	1.1.1	WP1: Establishing and exploting the BRANCHES knowledge exchange networks	
		and sub-networks	3
	1.1.2	WP2: Cost - and resource - efficient supply chains for sustainable biomass supply	5
	1.1.3	WP3: Cost-effective Bioeconomy Technology integrated with Bioenergy Production	ç
	1.1.4	WP4: Regionale development models that support bioeconomy innovation	12
	1.1.5	WP5: Dissemination, Exploitation and Comunication	16
	1.1.6	WP6: Project Coordination and Management	
1	1.2	Deliverables and milestones tables	20
	1.2.1	Deliverables (excluding the periodic and final reports)	20
	1.2.2	Milestones	25
1	1.3	Impact	26
1	L.4	Update of the plan for exploitation and dissemination of result (if applicable)	26
1	L.5	Update of the data management plan (if applicable)	26
1	1.6	Follow-up of recommendations and comments from previous reviews (if applicable)	27
1	L.7	Deviations from Annex 1 (If applicable)	27
2	USE OF	RESOURCES	28
2.1	Expl	anation of the use of the resources	

BRANCHES | GA n.10100375

DX.X Deliverable title

Pag. 2 | 29





I Project Progress

I.I Work progress and achievements during the period

Please provide a concise overview of the progress of the work in line with the structure of Annex I of the Grant Agreement.

For each work package please provide the following information:

- A summary of progress towards objectives and details for each task;
- Highlight clearly significant results;
- If applicable, explain the reasons for deviations from Annex I and their impact on other tasks as well as on available resources and planning;
- If applicable, explain the reasons for failing to achieve critical objectives and/or not being on schedule and explain the impact on other tasks as well as on available resources and planning (the explanations should be coherent with the declaration by the project coordinator);
- a statement on the use of resources, in particular highlighting and explaining deviations between actual and planned person-months per work package and per beneficiary in Annex 1 (Description of Work)
- If applicable, propose corrective actions.

I.I.I WPI: Establishing and exploting the BRANCHES knowledge exchange networks and sub-networks

WP Leader: CIRCE

Work performed in the period:

To be completed by WP leader referring to the work performed during M1-M9 (Min 600 words):

- Describe main activities and overall partners contributions
- Report on activities performed under the WP with respect to plan set in the DoW
- Comment on any deviation from the Work Plan (Delays; Quantitative objectives not achieved; Problems in delivering, etc)
- Report on actions implemented to respond to critical issues and highlight any additional work not originally foreseen in DoW

Results

- Outline main results of the WP for the period in respect with DoW expected objectives and performance indicators
- Describe planned work/expected results for the next Interim period

T1.1: Strategy of BRANCHES Networks

Status: [completed] [ongoing] [not yet started]

Task Leader: CIRCE

Work performed:

Task leader provides summary of progress towards objectives and details for the task; Highlight significant result and explain reasons from deviation from work plan if any.

BRANCHES | GA n.10100375

DX.X Deliverable title

Pag. 3 | 29





Partners' contribution:

Partners complete	the table below to include contribution to the task carried out in the period up to <mark>S</mark>	eptember
<mark>2021</mark> in consistenc	cy with the P/M they received for this task (no limit in number of words).	

P1 LUKE		
P2 CNR IBE		
P3 VTT		
P4 UWM		
P5 DBFZ		
P6 CIRCE		
P7 ITABIA		
P8 MTK		
P9 AVEBIOM		
P10 UFZ		
P11 WMODR		
P12 BEV		

T1.2: BRANCHES National Thematic Network - NTN strategy and monitoring

<u>Status:</u> [completed] [ongoing] [not yet started]

Task Leader: CIRCE

Work performed:

Task leader provides summary of progress towards objectives and details for the task; Highlight significant result and explain reasons from deviation from work plan if any.

Partners' contribution:

Partners complete the table below to include contribution to the task carried out in the period up to September 2021 in consistency with the P/M they received for this task (no limit in number of words).

P1 LUKE	
P2 CNR IBE	
P3 VTT	
P4 UWM	
P5 DBFZ	
P6 CIRCE	
P7 ITABIA	

BRANCHES | GA n.10100375

DX.X Deliverable title

Pag. 4 | 29





P8 MTK		
P9 AVEBIOM		
P10 UFZ		
P11 WMODR		
P12 BEV		
T1 3: FII informat	tion network for knowledge sharing through technical seminars	
	ion network for knowledge snaring through technical seminars	
T1.4: Expanding k	noledge tranfer to 5 EU collaborating countries	
<u></u>		
<u></u>		
T1.5: Expanding E	BRANCHES Network	
<u></u>		
<u></u>		
1.1.2 WP2: Co	st – and resource – efficent supply chains for sustainable biomass	supply
WP2 aims at		
Status: [Completed	d] [Ongoing] [Not yet started]	
WP Leader: Luke		
Work performed	in the period:	
 Describe i Report on Comment Problems Report on 	by WP leader referring to the work performed during M1-M9 (Min 600 we main activities and overall partners contributions activities performed under the WP with respect to plan set in the DoW on any deviation from the Work Plan (Delays; Quantitative objection delivering, etc) a actions implemented to respond to critical issues and highlight any actions in DoW	ives not achieved;
<u>Results</u>		
performan	vain results of the WP for the period in respect with DoW expected objects are indicators blanned work/expected results for the next Interim period	ves and
T2.1: Practical kno	owledge retrieving from EU and national projects and other initiatives	
<u>Status:</u> [completed	[longoing] [not yet started]	
<u>Task Leader</u> : UW	M	
BRANCHES GA	n.10100375	Pag. 5 29

DX.X Deliverable title



Annex V. Deliverable (just 5 pages of 10)





BRANCHES

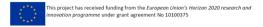
Boosting RurAl bioeconomy Networks following multi-actors approaCHES

Deliverable

DX.X TITLE

Deliverable Lead:
Deliverable due date:
Actual submission date:

	Document Control Page
Title	
Creator	
Description	
Contributors	
Creation date	
Туре	
Language	
Audience	public
Audience	confidential
	Draft
Review status	WP leader accepted
	Coordinator accepted
	to be revised by Partners
Action	for approval by the WP leader
requested	for approval by the Project Coordinator
	for acknowledgement by Partners



BRANCHES | GA n.10100375 DX.X Deliverable title Pag. 2 | 10





Table of Contents

1	Executive summary	. 4
	Deliverable Description	
	eading 2 for the deliverable	
	ex I. Abbreviations	
	ex 2. Title	

DISCLAIMER

The sole responsibility for the content of this publication lies with the BRANCHES project and in no way reflects the views of the European Union.

BRANCHES | GA n.10100375 DX.X Deliverable title Pag. 3 | 10





1 Executive summary

Lorem ipsum dolor sit amet, consectetur adipiscing elit

Vitae tempus quam pellentesque nec nam aliquam. Ac tortor dignissim convallis aenean et. In ornare quam viverra orci sagittis eu. Mauris in aliquam sem fringilla ut morbi tincidunt. Tellus mauris a diam maecenas sed. Aliquam nulla facilisi cras fermentum odio eu feugiat pretium. Vitae congue eu consequat ac. Volutpat diam ut venenatis tellus in. Elit scelerisque mauris pellentesque pulvinar pellentesque habitant morbi tristique senectus. Enim ut tellus elementum sagittis.



2 Deliverable Description

Please describe the Deliverable here.

Remember, if your Deliverable is an event, this document is what the EC will receive, so it must describe and include as much information as possible.

If your Deliverable has been delayed (completed after the Due Date), please give an explanation why it was late and if its lateness had any impact on other Deliverables/Milestones or Project Objectives.

Heading 2 for the deliverable

You can use the headings to organize your text.

Do not forget, that a picture is worth 1000 words! Use graphics and photos to help explain.

Pharetra convallis posuere morbi leo urna. Sed egestas egestas fringilla phasellus faucibus scelerisque. Tincidunt vitae semper quis lectus nulla at. Vestibulum rhoncus est pellentesque elit ullamcorper dignissim. In hac habitasse platea dictumst. Odio euismod lacinia at quis risus. Donec pretium vulputate sapien nec sagittis aliquam malesuada bibendum arcu. Eu turpis egestas pretium aenean pharetra magna ac. Et malesuada fames ac turpis. Sit amet nulla facilisi morbi tempus. Netus et malesuada fames ac turpis egestas integer eget. Pharetra magna ac placerat vestibulum lectus mauris.

Nibh mauris cursus mattis molestie

Lectus sit amet est placerat in egestas erat imperdiet sed. Sed euismod nisi porta lorem mollis aliquam ut porttitor leo. Viverra suspendisse potenti nullam ac tortor. Est pellentesque elit ullamcorper dignissim cras tincidunt lobortis feugiat vivamus. Bibendum ut tristique et egestas quis ipsum suspendisse ultrices. Eu scelerisque felis imperdiet proin fermentum leo vel orci porta. Volutpat maecenas volutpat blandit aliquam etiam erat.

Table 1-1: Random Table Caption

dsfsafafaf	dsffsdfdsfsdf	lsfsdf sfsfadfadfafa	
Excepteur sint	Orci nulla	Urna duis	
dolor sit amet	Adipiscing elit	Culpa qui	

(Editable table according to need)

BRANCHES | GA n.10100375

DX.X Deliverable title

Pag. 5 | 10



Annex VI. Practice Abbstract



BOOSTING RURAL BIOECONOMY NETWORKS FOLLOWING / MUI TI-ACTOR APPROACHES

FIUSIS S.R.L. - A complete pruning residue value chain for **Southern Italy**



Olive groves cover about 380,000 hectares in the Southern Italian. Puglia region and they produce excellent olive oil, exported all across the Country and abroad. Olive trees are pruned on regular interval and the pruning of Apullan olive groves yields over 800,000 t of wood biomass per year,

according to the estimates made by ITABIA within the scope of the H2020 ENABLING project.

The disposal problem caused by such a large amount of residue has been turned into a business opportunity by the company Flusts, born with the mission of turning olive free pruning residue into a renewable energy source.

Flusis started operation in 2010 by commissioning a 1 MWe cogeneration plant almed to transform 10,000 t of pruning residues per year into 8 million kWh of electricity and heat. Recently, this plant has been equipped with a wood pellet production line that uses excess heat for drying the sawdust and yields about 1 t of high-quality pellet per day. Moreover, future plans include a facility for turning the wood ash generated by the plant into high-quality fertilizer.

Flusts was able to create an effective supply chain of biomass by developing a system that matches the local farmers' needs. In particular, Flusts offers free pruning residue collection and disposal services to over 2,000 farms. This prevents farmers from burning pruning residues in the field, thus avoiding widespread and recurring air quality issues. When pruning residue is burned in the plant—rather than in the field—furnes pass through a high efficiency filtration system able to remove all noxious emission, including fine particulate.

Close connection with farmers and agricultural contractors for the recovery of pruning

The main strengths of the company are:

- Production of clean energy (electric and thermal) from a renewable source available locally.
- Local production of wood pellets, suitable for fuelling high efficiency stoves for
- Propensity for innovation through scientific research, aimed at life-long learning and continuous improvement.
- Full application of the principles of the circular economy.
 The initial investment of 8 M ∈ was made possible through project financing. At present, the company has an annual turnover of around 2 M ∈, a most important result given the specificity of the local context and the positive effects this initiative generates on the local agricultural sector. Flusis has created new and qualified employment for 33 workers, in addition to the tangible benefit it generates for over 2,000 tarmers by solving the issue of residue disposal at zero cost to them. This is therefore a winning model of sustainability, studied and replicated elsewhere in Italy and abroad.



KEY WORDS

Bioenergy, rural areas, biomass, prunings, olive tree, circular bioeconomy, management, technological innovations, environmental benefits

COUNTRY/REGION

Italy/Apulia

AUTHORS

Matteo Monni (ITABIA) Raffaele Spinelli (CNR IBE)

DISCLAMER

This Practice Abstract reflects only the author's view and the Branches project is not responsible for any use that may be made of the information it contains.







BOOSTING RURAL BIOECONOMY NETWORKS FOLLOWING MULTI-ACTOR APPROACHES

ADDITIONAL INFORMATION

While proving a powerful supporter of the local economy and environment, Fiusis also offers significant benefits at the global level. The production of energy from biomass avoids the net emission of 4,500 t CO₂ per year if compared to an equivalent plant fuelled with natural gas, which represent the second best alternative, while a plant fed with fuel oil would emit twice as much carbon.

At the same time, conversion into the Fiusis plant avoids the field burning of 10,000 t/year of pruning residues. While now declared illegal, field burning is a traditional practice that is very difficult to stop in the absence of cost-effective alternatives. Delivery to a landfill results in prohibitive cost, while mulching is only partially effective and still more expensive than field burning. Free collection and removal by Fiusis is by far the best option and that is why it has attracted so many farmers. Wider participation is mainly limited by the plant's capacity, pointing at high potential for replication of the Fiusis model.

In order to maximize the efficiency of fuel supply, FIUSIS has equipped with a large machine fleet including a variety of tractors, pruning harvesters and transportation vehicles. Several models have been adopted in order to match the variable conditions encountered in a relatively large territory. In addition, special software has been implemented to geolocate and survey all the farms participating in the initiative and to trace the origin of all pruning residue loads delivered to the plant.

The adoption of cutting edge boiler and filter technology allowed Finsis to consistently keep emissions well below the authorized limits for over ten years, which has earned the company several environmental awards, including the eco-sustainability and best practices award from Legambiente 2011, and a mention in Italy's Recycling Report 2017.

The procedures for obtaining product quality certification are being activated for Fiusis pellets. Finally, Fiusis is financing studies (Politecnico of Turin together with the University of Salento) for the production of fertilizers from biomass combustion ashes.



ABOUT BRANCHES

This is a H2020
"Coordinaton Support
Action" project, that brings
together 12 partners from 5
different countries.
The overall objective of
BRANCHES is to foster
knowledge transfer and

innovation in rural areas (agricolture and forestry), enhancing the viability and competitiveness of biomass supply chains.

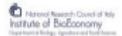
www.branchesproject.eu



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement to 101000075

THE PARTNERSHIP



























Annex VII. Newsletter (Front page)





Annex VIII. Roll up



