

Value chains : Prime mover and Main Characteristics

- Stakeholder Type
- |   |   |
|---|---|
| <input checked="" type="checkbox"/> Farmer  | <input type="checkbox"/> Agrarian Cooperative |
| <input type="checkbox"/> Public Institution | <input type="checkbox"/> Agro-Services        |
| <input type="checkbox"/> Final Consumer     | <input type="checkbox"/> Farmer Association   |
| <input type="checkbox"/> ESCO               | <input type="checkbox"/> Agro Industry        |
| <input type="checkbox"/> Pellet Producer    | <input type="checkbox"/> Biomass Supplier     |

Location of Prime Mover

Municipality : Poupille

Latitude : 44.882622

Longitude : -0.048405



- Type of Residue used in value chain
- Pruning       Plantation Removal       Both
- Crop Species used in Value Chain
- |                                     |   |                                     |                                  |
|-------------------------------------|---|-------------------------------------|----------------------------------|
| <input type="checkbox"/> olives     | <input checked="" type="checkbox"/> vineyards | <input type="checkbox"/> apples     | <input type="checkbox"/> pears   |
| <input type="checkbox"/> peaches    | <input type="checkbox"/> apricot              | <input type="checkbox"/> nectarine  | <input type="checkbox"/> plum    |
| <input type="checkbox"/> cherries   | <input type="checkbox"/> oranges              | <input type="checkbox"/> tangerines | <input type="checkbox"/> lemons  |
| <input type="checkbox"/> grapefruit | <input type="checkbox"/> hazelnuts            | <input type="checkbox"/> chestnuts  | <input type="checkbox"/> almonds |

Total Plantation Area involved in the Value Chain (ha) 33

Typical APPR biomass production (tonnes/year) 26-50

Start Date of the APPR value chain (Month-Year) \_\_\_\_\_











Factor Group	Description	Check the influence in success:(0)-Not relevant;(1)-May have influenced;(2)-Important for success;(3)It was crucial;(?)-Unknown					Check the 3 most crucial factors in WHOLE table
		0	1	2	3	?	
Logistics Chain	There were pre-existent collaborations established between farmers sector and biomass cosumers/traders	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	The introduction of new technologies (machine, handling systems, logistic chain) supported the implementation of new chains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Private investment for entepreneurs was incentivised	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Short summary of the initiative (<100 words)

Summary of the value chain

Philippe Carille began this project to his own initiative to not waste energy, manage wood disease and be ecofriendly. He uses hiw own biomass for his self-consumption. He currently works with bales but should changes for big bags and why not pellets one day.

## Philippe Carrille (Poupille)

VALUE CHAIN ACTORS		Farmers	Farm cooperative / agro productive organization	Agro services Company	Techno-logistics services in agriculture	Biomass energy plant builder /dealer	Energy service company	Biomass consumer / energy user
VALUE CHAIN PROCESSES	APPR biomass producer	1						
	Harvesting & conditioning	1						
	Biomass 1 <sup>st</sup> haulage/ Transport	↓						
	Pretreatment & Storage	1						
	Biomass further processing	1						
	Biomass transport	1						
	Energy conversion	1						

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Mr. Philippe Carrille



## Fuel Specifications

Final form of Biomass prior to  
Exploitation

- Bales of branches  
 Hog fuel-shredded

- Wood chips  
 Pellets

Moisture content (%) :

15

Max Content of Ash (% a.r.) :

Min LHV (kj/kg a.r.) :

## Value Chain Details and Prices of fuels

End-users

- Self-consumption  
 Public-private buildings  
 Biomass to Market

- Industrial heating  
 Distributed heat networks

Distance between biomass production  
and its final use (km) :

5

Storage options

- On-farm storage  
 Intermediate storage prior transporting to end user  
 Direct delivery and storage at final user  
 No storage

Ownership of the APPR harvesting  
machinery

- Farmer  
 Leasing  
 3rd party-private

- Farmer's community  
 Municipality-public

Prices of fuels sold  
to final consumers

Price of APPR biomass (€/t)

\_\_\_\_\_

Price of regular woodchips (€/t)

\_\_\_\_\_

Price of ENPLUS pellets (bulk-€/t)

\_\_\_\_\_

Price of domestic heating gasoil (€/l)

\_\_\_\_\_

Have you filled the questionnaire about  
mechanized pruning/plantation removal ?

Yes

No

If yes, please provide the name or e-mail you have  
used on that questionnaire

\_\_\_\_\_

