

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 : Marlenheim

Latitude : 48.607308

Longitude : 7.456974



- 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) 25

Typical APPR biomass production (tonnes/year) 2

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 checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Private investment for entepreneurs was incentivised	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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

Xavier Muller owns hiw own vineyard in Alsace and he produces with hiw truck 2 tons of pruning pellets for his own consumption. For the moment, he just produces the quantity needed and does not want to develop any market but can think about it next years. The granulator was built by H energy, a new company for sustainable development. Mr. Muller participates in the project as partner. He has performed several test with its pruning. Mr Muller owns his baler and share the granulator with other people from H energy company. The machinery is utilized under a leasing contract, as other local farmers do.

# Domaine Xavier Muller

VALUE CHAIN ACTORS		Farmers	Farm cooperative / agro productive organization	Agro machine builder /seller	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	3 1							
	Harvesting & conditioning	3 1							
	Biomass 1 <sup>st</sup> Haulage / Transport	3 1							
	Pre-treatment & storage	1 1							
	Biomass further processing	1 1		2					
	Biomass transport	1 1							
	Energy conversion	1 1							

- 1 Domaine Xavier Muller
  - 2 H-energie
  - 3 Local farmers that have up-rooted their vines
- Third farmers vine stocks to consumption
  - Own prunings to consumption (no pelletizing)
  - Own prunings to consumption (pelletizing)



## 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) :

2

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

\_\_\_\_\_

### Contact Data

Name :

Mr. Xavier Muller

\_\_\_\_\_

Email :

\_\_\_\_\_

Phone :

\_\_\_\_\_

Company/Organisation :

Domaine Xavier Muller

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Website (of the company or the APPR initiative) :

<http://www.route-des-vins-alsace.com/fr/271000557-Domaine-Xavier-Muller.html>

\_\_\_\_\_

Logo of the company :

\_\_\_\_\_

Country :

France

\_\_\_\_\_

