

Value chains : Prime mover and Main Characteristics

- Stakeholder Type
- | | |
|---|---|
| <input 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 checked="" type="checkbox"/> Agro Industry |
| <input type="checkbox"/> Pellet Producer | <input type="checkbox"/> Biomass Supplier |

Location of Prime Mover

Municipality : Logroño

Latitude : 42.439827

Longitude : -2.387848



- Type of Residue used in value chain
- | | | |
|---|---|-------------------------------|
| <input checked="" type="checkbox"/> Pruning | <input type="checkbox"/> Plantation Removal | <input type="checkbox"/> 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) 200

Typical APPR biomass production (tonnes/year) 200

Start Date of the APPR value chain (Month-Year) 2014

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	?	
Pruning Management	The management of the pruning/plantation removal is recognised to be expensive. Farmers found pruning for energy a good idea	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	There were already experiences in mobilisation/treatment of prunings/plantation removal (pilot experience etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	The high density of permanent crops plantations in the area	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	It was absolutley necessary to dispose pruning to avoid threats of pests and diseases	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Regulation	There is strict regulation making compulsory treatment/management of the residues	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Lobbying of stakeholder groups caused policy makers to promote changes in regulation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	More difficulties to get the permits for open air burning of residues	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

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		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 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 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

For many years Marqués de Murrieta has been withdrawing the pruning out of the fields for sanitary reasons: possible risks of infections. The usual practice was to drag the pruning out and burn in open air fires. But obtaining permits for such practices is becoming more difficult, and there were some complains from neighbouring households and villages. From about 5 years (2013) they have been collecting with a old pruning harvester. biomass in form of a coarse hog fuel is transported to the final consumer. The price is low, but this is sufficient together with the gain they have by solving the concerns derived from the disposal in fires on the open field.

Fuel Specifications

Final form of Biomass prior to Exploitation

- Bales of branches
 Hog fuel-shredded

- Wood chips
 Pellets

Moisture content (%) :

not determined

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

not determined

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

not relevant for final consumer

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) :

100

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
 Entrepreneur (the winery)

- Farmer's community
 Municipality-public

Prices of fuels sold to final consumers	<input checked="" type="checkbox"/>	Price of APPR biomass (€/t)	20
	<input checked="" type="checkbox"/>	Price of regular woodchips (€/t)	50
	<input type="checkbox"/>	Price of ENPLUS pellets (bulk-€/t)	
	<input checked="" type="checkbox"/>	Price of domestic heating gasoil (€/l)	0

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 _____

