

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

Location of Prime Mover

Municipality : Veria

Latitude : 40.493364

Longitude : 22.230018



- Type of Residue used in value chain
- | | | |
|----------------------------------|---|--|
| <input type="checkbox"/> Pruning | <input type="checkbox"/> Plantation Removal | <input checked="" type="checkbox"/> Both |
|----------------------------------|---|--|
- Crop Species used in Value Chain
- | | | | |
|--|---|--|--|
| <input type="checkbox"/> olives | <input type="checkbox"/> vineyards | <input checked="" type="checkbox"/> apples | <input type="checkbox"/> pears |
| <input checked="" type="checkbox"/> peaches | <input checked="" type="checkbox"/> apricot | <input type="checkbox"/> nectarine | <input checked="" type="checkbox"/> plum |
| <input checked="" 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) 8000 t/y

Start Date of the APPR value chain (Month-Year) 2011

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 entrepreneurs 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

This value chain is based on the mechanized plantation removals that farmers carry out in the wider region of Veria. Due to the market price of the apricot crop, a wide range of farmers decide to change their cultivation with a more productive crop in order to increase their profits and consequently their earnings. EAMEB takes over the part of plantation removal with its own machineries. Mainly there are two plans that are followed. In the first case and with the pass of 2-3 weeks the chipping of the roots and the branches is done directly in the field and the final material is transferred directly to the end user. On the other hand in the second case the chipping is implemented in the storage side of the company and the final material is then transferred in the end user. Mainly 6 people are employed in this company.

E.A.M.E.B. (Ananiadis case)

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			2				
	Biomass 1 st haulage/ Transport			2				
	Pretreatment & Storage			2				
	Biomass further processing			2				
	Biomass transport			2				
	Energy conversion							3

1 Farmers 2 E.A.M.E.B. 3 Power plant

Fuel Specifications

Final form of Biomass prior to Exploitation

- Bales of branches
 Hog fuel-shredded

- Wood chips
 Pellets

Moisture content (%) :

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
 Power plant

- Industrial heating
 Distributed heat networks

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

15

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 :

Ananiadis Giannis

Email :

info@eameb.gr

Phone :

Company/Organisation :

EAMEB

Website (of the company or the APPR initiative) :

http://eameb.gr/wp/

Logo of the company :

Country :

Greece



