

Value chains : Prime mover and Main Characteristics

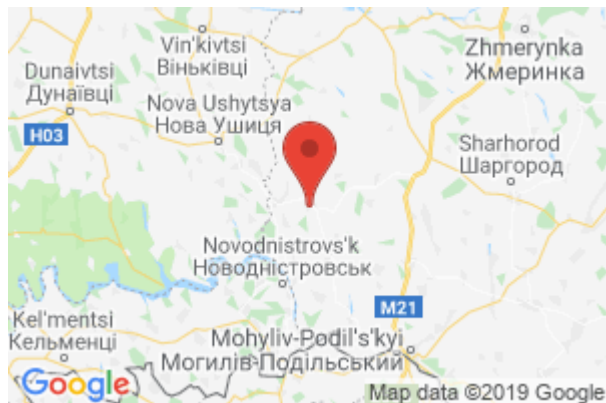
- Stakeholder Type
- | | |
|---|---|
| <input type="checkbox"/> Farmer | <input type="checkbox"/> Agrarian Cooperative |
| <input type="checkbox"/> Public Institution | <input type="checkbox"/> Agro-Services |
| <input type="checkbox"/> Final Consumer | <input type="checkbox"/> Farmer Association |
| <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 :

Latitude : 48.716732

Longitude : 27.517862



- Type of Residue used in value chain
- | | | |
|----------------------------------|--|-------------------------------|
| <input type="checkbox"/> Pruning | <input checked="" type="checkbox"/> Plantation Removal | <input 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 type="checkbox"/> peaches | <input 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) 60

Typical APPR biomass production (tonnes/year) 1050

Start Date of the APPR value chain (Month-Year) 2017

Triada-MK

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							3
	Energy conversion							4

- 1 Agro-service company
 2 Farmers (Triada-MK)
 3 Transport company
 4 Final consumers

Fuel Specifications

Final form of Biomass prior to
Exploitation

- Bales of branches
 Hog fuel-shredded

- Wood chips
 Pellets

Moisture content (%) :

12.6

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

4.8

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

15.3

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) :

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



