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Initial situation:

- **Styria** is rich of **forest** → **61,4%** of the total area
1.006.000 ha forest area
- **increase** of **living room stoves** because of the rising prices of fossil fuels
- **Many farmers** were **producer** of **wood fuels**, manly split logs and woodchips
- **No coordination** and **cooperation** between the producers

Customer problems:

- Problems in **quality** und **secure of supply**



Customer problems:

- **different** methods/**models**
for sale and measurement



- lose cbm, weight (kg), energy (kWh), ...

Farmers problems:

- Natural **disasters** (wind, storm, snow and ice)



Farmers problems:

- **one purchaser** for industry/energy timber wood, price dumping, **monopoly position**



The Solution:

Biomass Trade & Logistic centre



What is a BTC:

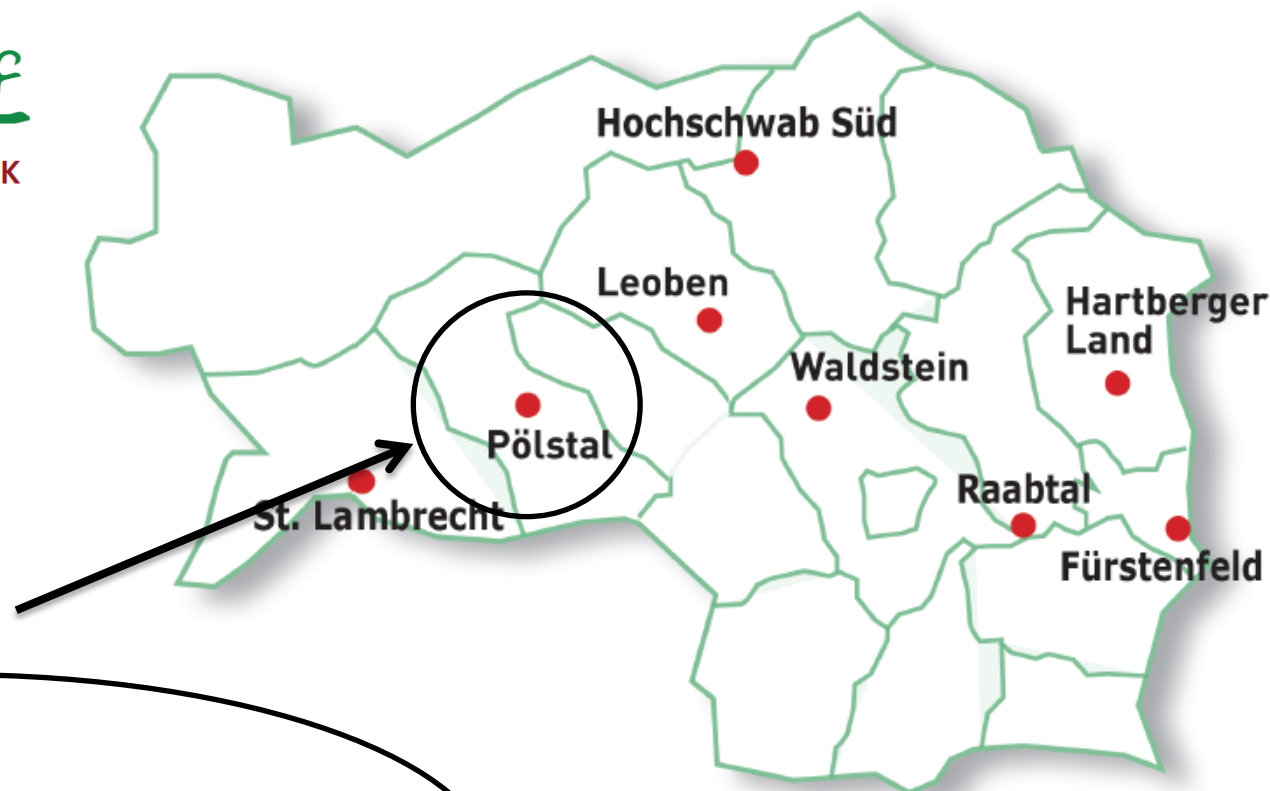
Regional Biomass trade centres are decentralized market places for biomass fuels and are used for regional marketing of quality products. They are selling to...

privat people – small manufacturer – biomass heating plants

A biomass trade centre is a service station
for wood fuels !



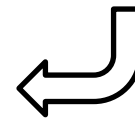
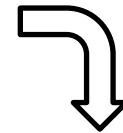
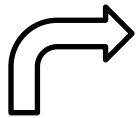
Biomass trade Centres in Styria:



action circle: 30-40 km Radius
for suppliers and customers

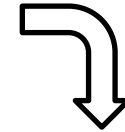
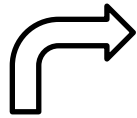
2 Types of BTC:

- Way 1: Buying and selling directly on a BLTC



2 Types of BTC:

- Way 2: Arranging and organizing of biomass delivery directly from the farmers



What offer's a BTC:

- Security of supply



What offer's a BTC:

- Secured **documented** control about **amount**



BioRES has received funding from the European Union's Horizon 2020 Research and Innovation Programme under grant agreement No645994

What offer's a BTC:

- Secured **documented** control about **quality**



What offer's a BTC:

- Buying and selling with
weight & moisture content (try ton)

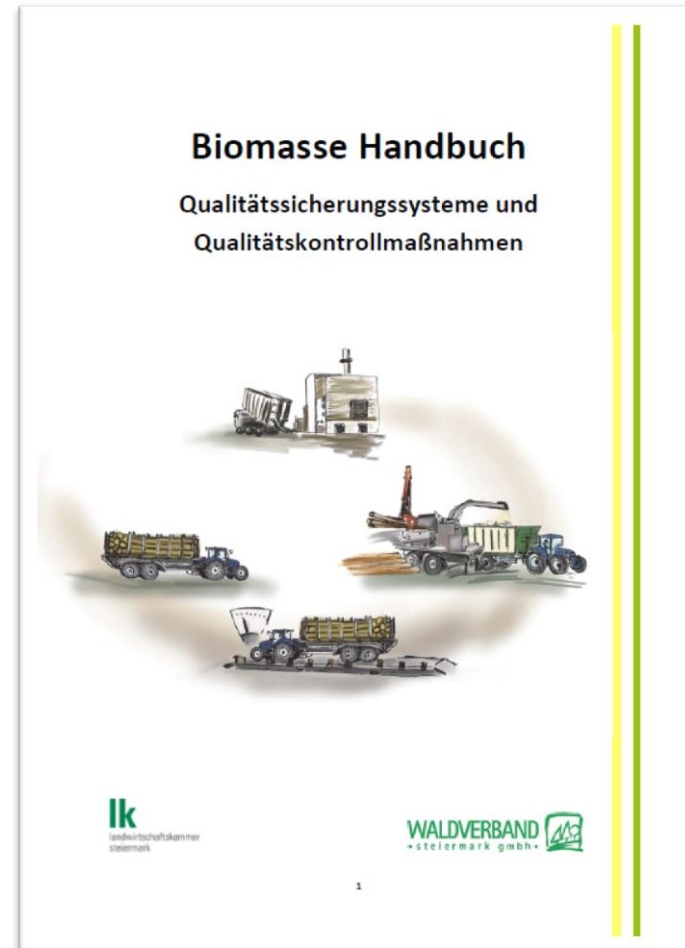


What offers a BTC:

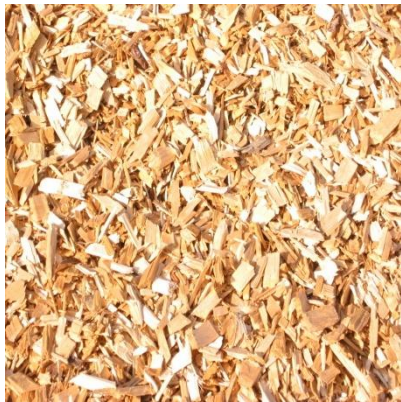
- the **label** „Biomassehof-Stmk.at“
as **guarantee** for
best quality



- QA/QC – handbook →



Products on BTC:



Woodchips from
timber:

- P31,5 – P63
- M25 – M35



Woodchips from
byproducts/slash:

- P63 – P100
- M35 – M55



Split Logs:

- 1m, 50cm,
33cm, 25cm
- beech
- mixed
hardwood



Small volume
Products:

- bags, 15kg
- cartons, 12kg

Success of the BLTC's in styria:

Duty:	Done:
quality standards	✓
secure of supply	✓
selling methods	✓
measure units	✓
purchaser for energy wood	✓
fair and correct prices for energy wood	✓

- Selling amount per year: 180.000 cbm WC
10.000 cbm SL
- Directly **10 new green jobs**

EU Project BioRES: Key facts

Consortium:	9 Partners from 7 EU Member countries Germany, Austria, Belgium, Finland, Slovenia, Croatia, Bulgaria and Serbia (in EU accession process)
Project Duration:	January 2015 - June 2017 (30 months)
Project Budget:	1,86 Mio. EUR by European Union's Horizon 2020 research and innovation programme
Implementation:	New BLTCs in Serbia, Croatia, Bulgaria in areas with high woody biomass potential; as up today there are no BLTCs operating in the 3 countries.



EU Project BioRES: expected impacts

- The share woody bioenergy on the domestic market is increased
- Fostering the development of the bioenergy sector by implementing woody bioenergy as a reliable and standardized fuel
- Ensuring sustainability by mobilising woody biomass from verified sustainable forest management
- Transaction costs & lead time required for the development of a new BLTC until the start of operation have been reduced
- Better local policy and commercial frameworks for BLTCs
- New Jobs for rural actors/SMEs along the local value chain development
- Fossil energy demand for heating/electricity is reduced due to fuel switch to woody bioenergy products
-> measurable significant CO2 emission reduction on regional level
- Improvement of energy efficiency occurs from the localization of woody bioenergy trading -> reducing transport distances and carbon footprint



Thank you, for your attention

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