

SUCELLOG: IEE/13/638/SI2.675535

D6.7d

**Report on the local-scale meetings
carried out within the auditing service in
Austria**

30.03.2017



About SUCELLOG project

The SUCELLOG project - Triggering the creation of biomass logistic centres by the agro-industry - aims to widespread the participation of the agrarian sector in the sustainable supply of solid biofuels in Europe. SUCELLOG action focuses in an almost unexploited logistic concept: the implementation of agro-industry logistic centres in the agro-industry as a complement to their usual activity evidencing the large synergy existing between the agro-economy and the bio-economy. Further information about the project and the partners involved are available under www.SUCELLOG.eu.

Project coordinator



Project partners



About this document

This report corresponds to a part of the D6.7 Report on the local-scale meetings carried out within the auditing service in Austria of the SUCELLOG project. It has been prepared by:

Landwirtschaftskammer Steiermark
Hamerlinggasse 3, 8010 Graz
E-mail: energie@lk-stmk.at
Tel: +43 316 8050 1433

*This project is co-funded by the European Commission, contract N°: IEE/13/638/SI2.675535
The sole responsibility of this publication lies with the author. The European Union is not responsible for any use that may be made of the information contained therein.*

Table of contents

1. Introduction	3
2. Reports of local-scale meetings in Austria	3
2.1. LW Genossenschaft Klagenfurt, St. Veit, Rosental	3
2.1.1. <i>Farmers in the area local-scale meeting.....</i>	3
2.2. Rainer Christian	4
2.2.1. <i>Farmers in the area local-scale meeting.....</i>	4
2.3. Alwera AG	4
2.3.1. <i>Farmers in the area local-scale meeting.....</i>	4
2.4. Friedrich Rauer	5
2.4.1. <i>Farmers in the area local-scale meeting.....</i>	5
2.5. Ludwig Mayhofer	6
2.5.1. <i>Local meeting with potential consumers and suppliers in the area</i>	6
2.6. BIOS 1.....	7
2.6.1. <i>Local meeting with potential consumers and suppliers in the area</i>	7
2.6.2. <i>Local meeting with potential small scale consumers in the area.....</i>	7
2.6.3. <i>Local meeting with potential suppliers in the area</i>	8
2.6.4. <i>Local meeting with potential suppliers in the area</i>	8
2.7. Additional meeting to exchange experiences and discuss future collaboration.....	9

1. Introduction

SUCELLOG supports the creation of biomass logistic centres inside agro-industries covering the gap of knowledge faced when willing to start this new activity. Within WP6, SUCELLOG provides an auditing service facilitating the decision making to agro-industries interested in becoming a logistic centre. As part of the auditing service and with the purpose of showing to the agro-industries the most promising paths to start-up their new activity, local-scale meetings have been carried out with interested stakeholders such as potential biomass suppliers and consumers, equipment manufacturers and so on.

This document includes a collection of these reports of these meetings classified by agro-industry and carried out in Austria with a total of 58 stakeholders-external companies/actors (62 participants).

2. Reports of local-scale meetings in Austria

2.1. LW Genossenschaft Klagenfurt, St. Veit, Rosental

2.1.1. Farmers in the area local-scale meeting

2.1.1.1. General data of the meeting

Date: 1st July 2016

Auditor's data: DI Peter Krištof Organization: .LK Kärnten

Place: Gallizien

2.1.1.1. Attendants

7 farmers attended this meeting.

2.1.1.2. Summary of the meeting

This meeting was part of a regular meeting of local farmers. It took place in Gallizien a municipality south-east of Klagenfurt.

Participants were familiar with the various possibilities of using plant residues and were informed about the project SUCELLOG. It was pointed out by the participants that in Carinthia, a large supply of wood chips and wooden pellets is present. If corncob grits can be supplied cheaper as the wooden pellets then they will be a good alternative. All participants are interested in the topic and to new developments in the use of plant residues. The letters of intent have been signed by most of the participants at the local scale meeting.

2.2. Rainer Christian

2.2.1. Farmers in the area local-scale meeting

2.2.1.1. General data of the meeting

Date: 27th June 2016

Auditor's data:

Name: DI Markus Tschischej Organization: .LK Kärnten

Place: .Althofen

2.2.1.2. Attendants

6 farmers attended this meeting.

2.2.1.3. Summary of the meeting

This meeting was carried out during a regular meeting of local farmers in Althofen.

Participants were familiar with the various possibilities of using plant residues and were informed about the project SUCELLOG. It was pointed out by the participants that not all heating systems are approved for the using of plant residues. With good technical equipment and corresponding prices are corncob grits the most promising alternative. All participants are interested in the topic and to new developments in the use of plant residues, although they see that there is currently no logistic chain for harvesting available. Furthermore they mean that currently the competition of wooden biomass is very strong.

The letters of intent were signed by the farmers at the local scale meeting.

2.3. Alwera AG

2.3.1. Farmers in the area local-scale meeting

2.3.1.1. General data of the meeting

Date: 21st April 2016; 28th April 2016; 5th May 2016

Auditor's data:

Name: Alfred Kindler.. Organization: LK Stmk.....

Place: Regional Chamber Bad Radkersburg

2.3.1.2. Attendants

7 people attended this meeting.

2.3.1.3. Summary of the meeting

Amongst all participants, the possibility of using alternative heating media for wood chips and wood pellets in order to feed authorized furnaces was considered to be essential. The majority of those who are interested consider the best option to be corn cobs. They feel that the use of agrarian biomass is a great opportunity to replace the consumption of fossil fuels in their own farms. The investment in creating a biomass logistic centre is necessary in order to guarantee an effective exchange between supply and demand and should therefore be supported by the government. The interest in using agrarian residues was considerable, given that six out of seven participants signed a letter of intent.

2.4. Friedrich Rauer

2.4.1. Farmers in the area local-scale meeting

2.4.1.1. General data of the meeting

Date: 28/06/2016

Auditor's data:

Name: Alfred Kindler. Organization: LK Stmk

Place: Riegersburg

2.4.1.2. Attendants

24 farmers attended this meeting.

2.4.1.3. Summary of the meeting

The meeting was part of a meeting for pig farmers with the goal to find new income ways for the farmers. One point was the use of agrarian residues from their farm and the possible use as fuel for their companies, as the farms need a lot of energy and most of them just have little forest areas.

The farmers showed general interest in the topic of agro-fuels, but as they had no experience with the topic and they are afraid that their boilers can't handle these products they didn't wanted to sign letters of intent.

2.5. Ludwig Mayhofer

2.5.1. Local meeting with potential consumers and suppliers in the area

2.5.1.1. General data of the meeting

Date: 22.08.2016

Auditor's data:

Name: Daniel Paleczek Organization: Biomasseverband OÖ

Place: Natzberg 26, 4542 Nußbach

2.5.1.2. Attendants

5 persons participated in this meeting.

2.5.1.3. Summary of the meeting

Potential consumers and suppliers were attendants of the meeting. Daniel Paleczek described SUCELLOG concept and the goals of the project. Afterwards, Ludwig Mayrhofer explains the basic points and the possibility of his plan to build a new activity on biomass resources. The consumers and suppliers described what is important for them, and how they expect the cooperation. Main ideas are highlighted below.

Supplier concerns:

- delivery all day long,
- pick-up of the products from the field,
- automatically harvesting,
- fixed price.

Consumer concerns:

- If possible Just-in-time delivery,
- ensure constant moisture,
- ensure low ash content of the products,
- uniform size of the mixture,
- low content of heavy metals and Chlorine.

2.6. BIOS 1

2.6.1. Local meeting with potential consumers and suppliers in the area

2.6.1.1. General data of the meeting

Date: 28.04.2016

Auditor's data:

Name: Manfred Kirtz, AGRAR PLUS GmbH.....

Place: Regional BIOS 1;

2.6.1.2. Attendants

5 persons attended this meeting.

2.6.1.3. Summary of the meeting

The participants recommend the use of additional solid biogenic raw materials beside wood for automatic biomass boiler. In order to benefit from this, however, it is necessary to offer plants which make these raw materials easily usable. As an additional raw material the corn cobs are preferred. Corn cobs can be chipped cost-effectively. Cost-intensive pelleting is not required. The use of residual agricultural materials for heat generation will gain great importance, are all convinced It is important for the alternative solid biomass fuel that the consumers have easy access to the fuel. Biomass-Logistics centers as supply centers provide a solution to supply consumers with alternative solid biomass fuel from corn cobs.

2.6.2. Local meeting with potential small scale consumers in the area

2.6.2.1. General data of the meeting

Date: 05.05.2016

Auditor's data: Name: Manfred Kirtz, AGRAR PLUS GmbH.....

Place: Stubbach

2.6.2.2. Attendants

3 persons participated in this meeting.

2.6.2.3. Summary of the meeting

Results:

- The old heating system must be replaced.

- The legal framework for the new fuel is given
- Purchase costs for the boiler plant should not be significantly higher
- Fuel supply must be secured
- The effort for the new heating system must not be more than the old one

2.6.3. Local meeting with potential suppliers in the area

2.6.3.1. General data of the meeting

Date: 28.07.2016

Auditor's data:

Name: Manfred Kirtz, AGRAR PLUS GmbH.....

Place: Brunn

2.6.3.2. Attendants

2 people participated in this meeting.

2.6.3.3. Summary of the meeting

The farmers are interested in suppling BIOS 1 with corn cobs and overlaid maize silage if available. Especially the overlaid maize silage has no use and means an burden for the farmer. Therefore there are willing to give them to BIOS 1 for cheap prices.

2.6.4. Local meeting with potential suppliers in the area

2.6.4.1. General data of the meeting

Date: 29.07.2016

Auditor's data:

Name: Manfred Kirtz, AGRAR PLUS GmbH.....

Place: Wernersdorf

2.6.4.2. Attendants

2 farmers participated in this meeting.

2.6.4.3. Summary of the meeting

The general opinion about agro-fuel of those farmers is that burning them causes a lot of emissions and there is just a little market. Nevertheless they are willing to supply BIOS 1 with corn cobs, if they get a reasonable price for that.

2.7. Additional meeting to exchange experiences and discuss future collaboration

Place and date: Halbenrain, Styria on the 12.01.2017

Number of attendants: 4

On the 12th of January 2017 Lk-Stmk organized a meeting within the SUCELLOG project between experts from Styria and Lower Austria. The aim of the meeting was to exchange experiences in the field of process optimization of pelletising straw and corncobs. Participants of the meeting included representative from the pellets-cooperative in the south-east of Styria and representative of BIOS 1 in Lower Austria.

Moderated by Mr. Kindler the following topics were discussed:

- The optimal matrix – type
- Distance of the roller rollers
- Pelletising aids
- Size of the sieve for chipping the raw material

In addition some problems for drying of hay and corn cobs with the heat from a biogas plant were discussed. At the end of the meeting a regular exchange of experiences was agreed on and also in a next step a meeting with an expert for pelletising technology from the “Holzforschung Austria” was fixed.

This meeting was a good example that with the support of SUCELLOG new connections could be made between people willing to change the agro-fuel market in the future.