

Short Rotation Woody Crops (SRC) plantations for local supply chains and heat use

Project No: IEE/13/574



***National workshop on SRC use for
heating purposes***

25/02/2017

Madona, Latvia

WP 5 – Task 5.3

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SRCplus website: www.srcplus.eu

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1 Introduction

The aim of the workshop is to transfer the know-how on SRC cultivation and use, as well as to discuss economic issues related to SRC.

The main target group invited to the workshop was small and medium users of wood fuels. As interest from the target audience very low, municipalities, suppliers of wood fuels, farmers, representatives from forestry sector, people from research centres and university, as well as others were invited.

The training took place on 28th of February, 2017. Theoretical part of the workshop was organised in Madona city, Latvia. SRC plantation visited during the second part of the event is located close in Prauliena parish, Madona region.

All together 17 participant took part at the training.

The agenda included following topics:

- Introduction on SRCplus project;
- Use of SRC for renewable energy;
- Selective planting material and conditions related its distribution and use;
- Economic models for cultivation of SRC;
- PEFC certification of SRC plantations;
- Quality of different origin wood chips;
- Artificial drying of wood chips (representative was not able to participate);
- Technological solutions for combustion of different quality wood chips. Combustion process;
- Other renewables for heat energy production;
- Visit to the SRC site.

2 Involved stakeholders

As already described before, the main target audience was small and medium users of wood fuels. In order to attract more participants other relevant stakeholders were addressed. Finally, the workshop was attended by farmers, representatives from forestry sector and producers of boilers. Scientists, researchers and students from university and research centres/institutes participated in the event too.

3 Results

The workshop gathers different participants with different background and covered topics which are related to the use of solid biofuels and quality issues of wood fuels in particular.

The theoretical part of the workshop was opened by Aivars Žandeckis from Ekodoma who introduced the *SRCplus* project, its aims and the main tasks of the project. Mudrīte Daugaviete from Silava continued with the presentation about cultivation and use of SRC. Economic issues were discussed by Mudrīte too.

Reinis Silups from Selective Willow Breeders Association discussed about properties and advantages of selective planting material of willows, as well as described principles and conditions related to trade and use of selective planting materials.

As a result of SRCplus project activities in Latvia, SRC plantations now can be PEFC certified. Mudrīte Daugaviete described the possibilities, advantages and process of PEFC certification of the SRC plantations in Latvia.

Results of laboratory testing of different biofuels, including wood chips from SRC, were presented by Aivars Zandeckis. The quality of wood chips from SRC was compared with the quality of wood fuels from “traditional” practices.

Representatives from AGB Serviss described the principles of combustion process of wood fuel in small and mid-sized combustion appliances. Different technological solutions for combustion of wood chips were presented too.

After, Liga Poznaka from Ekodoma presented different options for heat energy production. Theoretical part of the workshop was concluded by the discussions between the participants.

After the training, participants received certificates on completion of training and Handbook on Sustainable Short Rotation Coppice, as well as leaflets of the project.

During the second part of the workshop a three years old willow plantation managed by Salix Energy Baltic Ltd (seedling provider, full service company) was visited by the participants. The SRC will be harvested and chipped this winter. Participants had an opportunity to discuss issues related to the plantation and cultivation of SRC, as well as current trends on biomass energy market with the manager of the plantation.

4 Annex

Invitation to the workshop with the agenda



**Uzaicinājums piedalīties praktiskajā seminārā/apmācībā
ŠĶELDAS PATĒRĒTĀJIEM UN PIEGĀDĀTĀJIEM
par Īscirtmeta ātraudzīgās koksnes izmantošanu enerģētikā**

2017. gada 28. februārī
Madonas novada dome, Saieta laukums 1, Madona

Latvijā šobrīd ir novērojams straujš pieprasījuma pieaugums pēc enerģētiskās koksnes, kā rezultātā paliek aktuāli jautājumi par enerģētiskās koksnes kvalitāti un alternatīvām.

Seminārā aplūkosim Īscirtmeta ātraudzīgo kokaugu izmantošanas iespējas enerģētikā, kā arī to audzēšanas ekonomiskos modeļus, ar kādiem kvalitātes rādītājiem ir raksturojama dažādas izcelsmes koksne, runāsim par saikni starp šķeldu kvalitāti un sadedzināšanas tehnoloģijām, kā arī ātraudzīgo kokaugu stādījumu PEFC sertificēšanu. Semināra ietvaros tiks apmeklēta SIA SalixEnergi Baltic kārkļu plantācija Praulienas pagastā.

Lūdzam reģistrēties dalībai seminārā, norādot vārdu, uzvārdu, organizāciju un kontaktinformāciju, nosūtot to uz līga.poznjaka@ekodoma.lv vai sazinoties pa tālruni 67 32 32 12 līdz 27. februārim.

Vietu skaits ierobežots! Informācijas diena ir bez dalības maksas. Par dalību seminārā tiks izsniegti sertifikāti un rokasgrāmatas „Ilgtspējīgi Īscirtmeta atvasāju stādījumi”.



www.srcplus.eu



INFORMĀCIJAS DIENAS PROGRAMMA

09:30 – 10:00 REĢISTRĀCIJA	
10:00 – 10:10 Par SRCplus projektu un tā mērķiem	Aivars Žandeckis SIA EKODOMA
10:10 – 10:30 Ātraudzīgie kokaugi jaunās enerģijas ieguvei	Mudrīte Daugaviete, LVMI Silava
10:30 – 11:00 Selekcionēts stādmateriāls tā aprites noteikumi	Reinis Silups (SKAA)
11:00 – 11:20 Ekonomiskie modeļi ātraudzīgo kokaugu audzēšanai	Kristaps Makovskis LVMI Silava
11:20 – 11:40 Kokaugu stādījumi PEFC shēmās	Mudrīte Daugaviete LVMI Silava
11:40 – 12:00 Dažādas izcelsmes šķeldu kvalitāte	Aivars Žandeckis SIA EKODOMA
12:00 – 13:00 Pusdienu pārtraukums	
13:00 – 13:20 Šķeldu piespiedu žāvēšana	Sandis Migla SIA Pakavs
13:20 – 13:40 Tehnoloģiskie risinājumi dažādas kvalitātes šķeldu sadedzināšanai. Degšanas procesa organizēšana	SIA AGB Serviss
13:40 – 14:00 Citi atjaunojamo energoresursu izmantošanas veidi siltumapgādē	Līga Poznjaka SIA Ekodoma
14:00 – 14:20 Kafijas pauze, diskusijas	
14:20 – 15:00 Selekcionēto kārkļu plantācijas apmeklējums. Praulienas pagasts, Glāznieki	Sadarbībā ar SIA SalixEnergi Baltic un Selekcionēto kārkļu audzētāju asociāciju



Photos

Theoretical part of the workshop



Representatives from AGB Serviss Ltd explaining principles of combustion process



Three years old willow plantation visited during the workshop



On-site discussions with the representative from Salix Energy Baltic Ltd about the SRC plantation

Training material (presentations)

All presentations from the seminar are available at the *SRCplus* home page:

<http://www.srcplus.eu/lv/2-uncategorised/173-2nd-workshop-for-s-m-users-and-traders-of-woodchips-in-latvia.html>