

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

Project No: IEE/13/574



Information day on quality issues of woodchips from SRC

WP 5 – Task 5.2

February 2017



Authors: Jacques Bernard, AILE
Aurélie Leplus, AILE

Editor : Marc Le Treis, AILE

Contact: AILE
Aurélie Leplus - Email: aurelie.leplus@aile.asso.fr
Jacques Bernard - Email: jacques.bernard@aile.asso.fr
Marc Le Treis - Email : marc.le-treis@aile.asso.fr
73 rue de Saint Briec – CS 56520 – F35065 RENNES Cedex – France
Tél +33 2 99 54 63 23
www.aile.asso.fr - @aileagence

The SRCplus project (Short Rotation Woody Crops (SRC) plantations for local supply chains and heat use) is supported by the European Commission in the Intelligent Energy for Europe Programme. The sole responsibility for the content of this report lies with the authors. It does not necessarily reflect the opinion of the European Union. Neither the EASME nor the European Commission are responsible for any use that may be made of the information contained therein. The SRCplus project duration is March 2014 to April 2017 (Contract number: IEE/13/574).



Co-funded by the Intelligent Energy Europe
Programme of the European Union

SRCplus website: www.srcplus.eu

Contents

| | | |
|----------|-------------------------------------|----------|
| 1 | <i>Introduction</i> | 4 |
| 2 | <i>Involved stakeholders</i> | 4 |
| 3 | <i>Results</i> | 4 |
| 4 | <i>Annexes</i> | 5 |

1 Introduction

The aim of the information day is to disseminate and discuss information and knowledge on the quality issues of woodchips from SRC in the target region.

The target group invited to the information day was small and medium users of wood fuels.

The training took place on 26th January 2016 in Saint-Brice-en-Coglès, France. Saint-Brice-en-Coglès was chosen as the hospital is equipped with a 500 kW Fröling wood boiler and SRC have been planted by the municipality.

All together 9 participants took part at the training, showing their interest in the topic.

The agenda included following topics:

- Introduction on SRCplus project.
- Sources of woodchips (industrial wood, forestry wood, hedges...)
- Special focus on SRC production, existing situation, practical examples
- Quality criteria of solid biofuels. Standards. Certification.
- Wood quality: characterization and measurement methods (practical)
- Technological solutions for combustion of different quality wood chips. Combustion process.

The topics have been presented by AILE and an engineer from CRER (Regional Centre for Renewable energies in Aquitaine). CRER established an official qualification for Wood energy quality called « Chaleur Bois Qualité + » (Wood Heat Quality +).

2 Involved stakeholders

The target audience was small and medium users of wood fuels. In order to attract participants from local district heating companies and municipalities running boiler, the information day on quality issues was coupled with a second day on combustion process and optimization.

Invitation to participate in the information day also was directly sent to municipalities running boilers in Brittany.

3 Results

Small and medium users of wood fuels appreciated to have a global overview on sources of woodchips and production chains including SRC production. They were surprised about the good characteristics of woodchips from SRC. For them, SRC provide a complement to supply boiler plants. Some of them already know about SRC as there are plantations close to their municipalities.

4 Annexes

4.1 Training material

Presentation from the seminar is available at the *SRCplus* home page.

4.2 Event photos



Granulometry test on SRC woodchips



4.3 Invitation to the information day on quality issues



Formation sur la QUALITE du COMBUSTIBLE et la CONDUITE de CHAUFFERIE BOIS

26-27 janvier 2016 à l'hôpital de St Brice en Coglès



Co-funded by the Intelligent Energy Europe Programme of the European Union

Formateurs : Denis RENOUX, CRER
Jacques BERNARD, AILE

Public cible : personnels ayant la pratique de conduite d'une chaudière bois

Objectifs de la formation :

- Reconnaître et mesurer la qualité du combustible adapté à sa chaudière
- Mieux comprendre l'articulation entre le combustible et la chaudière, et le rôle de l'agent

26 janvier 2016 : Le combustible bois et sa qualité

| | |
|---------------|--|
| 9h30-10h : | Introduction |
| 10h-11h : | Le combustible bois : présentation de la ressource – Zoom sur la production de TTCR |
| 11h-11h30 : | La qualité du combustible |
| 11h30-12h30 : | Comment tester la qualité de son combustible ? |
| 12h30-14h : | Repas |
| 14h-16 : | Combustion, adéquation combustible/chaudière |
| 16h : | Visite de la chaufferie bois de l'hôpital et des TTCR |



27 janvier 2016 : Le fonctionnement de la chaudière bois

| | |
|-------------|--|
| 8h30-10h : | Présentation de la chaîne chaufferie => livraisons, silo, [...], cendres. |
| 10h-12h | Gestion et anticipation des pannes chaufferies : études de cas |
| 12h-13h30 : | Repas |
| 13h30-16h : | Opérations de conduite et de maintenance : repérage en réel des actions à mener en chaufferie |
| 16h-17h : | Conclusion et bilan de formation |



4.4 Participants list



Journées d'information sur la QUALITE des COMBUSTIBLES
 et la CONDUITE des CHAUFFERIES BOIS les 26 et 27 janvier 2016
 à Saint-Brice-en-Cogles



| Nom | Commune/structure | Contact mail | Contact téléphonique | Présence le 26/01/16 | Présence le 27 |
|-----------------------|---|--|----------------------|----------------------|----------------|
| M. Lebarbier | Hôpital de Saint Brice en Cogles | e. Lebarbier@chmarcheste-brehaigne.fr | 02 40 41 00 19 | | |
| M. Samuel Lefranc | | s. lefranc@chmarcheste-brehaigne.fr | 02 40 41 00 19 | | |
| M. Jean-Marie Coisson | Louvigné Communauté | Angeline Kildard | 02 99 98 15 99 | | |
| M. Guy Jaouen | Communauté de communes de Questembert | G. Jaouen@questembert-communauté.fr pischrebausolet@questembert-communauté.fr | 02 97 26 66 80 | | |
| M. Gilles Yaldinghi | Commune d'Allaire | gyaldinghi@allaire.info | 02 99 71 91 09 | | G. YALDINGHI |
| M. Antoine Lecadre | Axima / maintenance chauffage St Jacques de la Lande | antoine.lecadre@axima.fr | 02 40 41 00 19 | | |
| M. Sylvain Bouvel | | sylvain.bouvel@orange.fr | 02 40 41 00 19 | | |
| M. Philippe Abily | Résidence Saint Michel | philippe.abily@residence-saint-michel.com | 02 98 68 01 42 | | |
| M. Couillaud | | maintenance@residence-saint-michel.com m: 069.00.00 | 02 98 68 01 42 | | |