



Triggering the creation of biomass logistic centres by the agro-industry

**SUCELLOG: IEE/13/638/SI2.675535**

**D7.6**  
**Report on the training sessions in  
non-participating countries**

**31<sup>st</sup> March 2017**



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Programme of the European Union

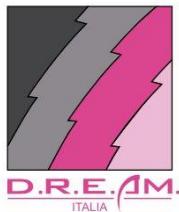
## About SUCELLOG project

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](http://www.sucellog.eu).

## Project coordinator



## Project partners



## About this document

This report corresponds to D7.6 of the SUCELLOG project - Report on the training sessions in non-participating countries. It has been prepared by:

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## 1. Introduction

SUCELLOG focuses on the implementation of biomass logistic centres into agro-industries as a complement to their usual activity. To ensure the widespread of this goal in Europe it is essential that the agrarian associations are involved in this process. For this reason, one important part of the project has been focused on providing building capacity to them so, beyond the project, they will be able to offer consultancy services to agro-industries willing to start a new business line as solid biomass logistic centres.

Within SUCELLOG lifetime, training sessions have been mainly performed to the agents directly developed in the project who are the agrarian national and regional associations in the target regions.

However, in order to spread the project knowledge, barriers and main lessons learned, training sessions belonging to non-participating countries have also been carried out. Contents and courses have been provided by CIRCE to agents from the agricultural sector.

A total of 3 training courses were performed in:

- Greece to agriculture members of INASO-PASEGES (the organisation providing technical support to the PASEGES-Pan-Hellenic Confederation of Unions of Agricultural Co-operatives).
- Portugal to agriculture members of CONFAGRI (Confederação Nacional das Cooperativas Agrícolas e do Crédito Agrícola de Portugal).
- Croatia to agriculture members of HPK (Croatian Chamber of Agriculture) and energy stakeholders from EIHP (Energy Institute Hrvoje Pozar).

The selection of the participants was carried out according to fair and transparent process.

The possibility to receive the training for free was advertised in different ways:

- By mail to the Members of WP/Bioenergy-COPA COGECA – see Annex III.
- By SUCELLOG newsletters addressed to project contacts in EU countries non-participating directly in the project (newsletter Nr 5-November 2016).
- By personal meetings with EU multipliers held in Brussels as part of activity of dissemination to European stakeholders.

Additionally, thanks to the dissemination activities during the project, some other European agriculture associations have shown their interest in the actions and results developed within the project.



Co-funded by the Intelligent Energy Europe  
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The project SUCELLOG, **TRIGGERING THE CREATION OF BIOMASS LOGISTIC CENTRES BY THE AGRO-INDUSTRY**, focus on the implementation of biomass logistic centres in the agro-industries in their idle periods as a complement to their usual activity and taking advantage of the non-utilised agrarian resources around.

SUCELLOG offers support to involve the agrarian sector into the sustainable supply of solid biomass in order to cover EU bioenergy needs.

More concretely, SUCELLOG offers a 3-days training course where the experience and knowledge gained through the project is spread in a practical way. It is specially focused to build up skills in agrarian associations of EU countries who are willing to offer support to their members in these aspects.

The course is FREE of charge and will take place in the headquarters of the association trained.

The course will focus on the techno-economic possibilities of agro-industries to become biomass logistics centres based on agrarian resources and will address the following topics:

- How to assess biomass resources
- Synergies between agro-industries and biomass production centres
- Requirements of quality in the solid biomass market
- How to make a feasibility study of an agro-industry (or any company) willing to build a biomass logistic centre: important things to be considered both from the technical (equipment, market, biomass resources evaluation) and economic point of view.
- BUSINESS MODELS from real cases (which different business strategies have been found).
- Opportunities and barriers found in real cases

However, contents of the training are flexible and will be adapted according to the needs of trainee.

The course will be provided by CIRCE (Research Centre on Energy Resources and Consumption). CIRCE is an institution based in Spain with large experience in education at all levels (masters, professional courses and tailor-made trainings for companies), being part of the European Association of Renewable Energy Research Centres.

**LET US KNOW YOUR INTEREST IN RECEIVING THE COURSE BY EMAIL TO: sucellog@fcirce.es**

For more information about SUCELLOG project, please visit our website.

**Figure 1: Advertising message to engage EU agricultural associations.**

## 2. Summary of the training sessions in Greece

INASO-PASEGES organised the training in which, several members of the cooperative of Agrinio (EAS Agriniou) participated. The training was split in 2 days (23<sup>rd</sup> and 24<sup>th</sup> of February 2017) and in an evening timeframe, in order to ensure the highest possible attendance from interested farmers or technicians from the cooperative.

A total of 12 people were participating in the first day and 8 people in the second day (see attendant list together with surveys results in Annex I).



### Lessons learned from SUCELLOG project

**Dates:** 23-24 February 2017

**Place:** EAS Agriniou (Agrinio – Greece)

**Agenda:**

**23<sup>rd</sup> February:**

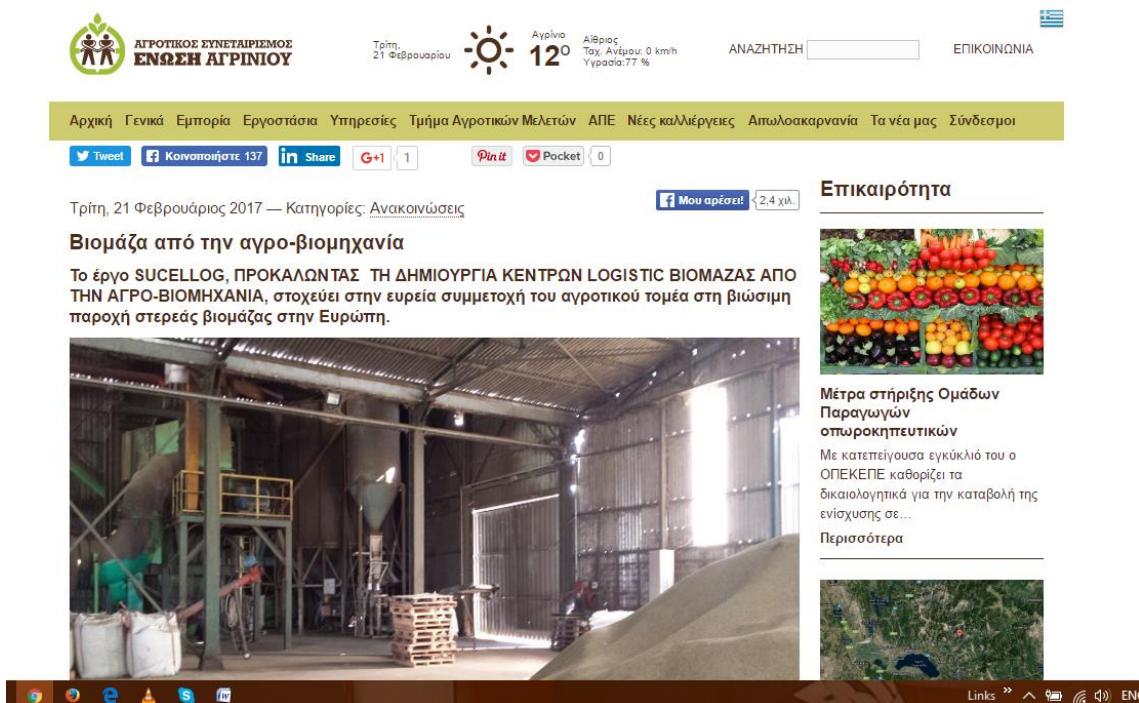
17:00 Presentation of SUCELLOG project  
18:00 Key points for the success of SUCELLOG concept and real examples in Europe  
20:00 Discussion

**24<sup>th</sup> February:**

17:00 Technical and non-technical aspects for the implementation of SUCELLOG concept  
20:00 Discussion

**Figure 2: Agenda of the training organised by INASO-PASEGES**

The course was advertised in the website of the cooperative and in the web of PASEGES, as it can be seen in the following pictures.



**Figure 3: Advertisement in the website of the cooperative**

① [www.paseges.gr/el/news/Se-programma-paragwghs-biomazas-apo-thn-agrotika-ypoleimmata-h-Enwsh-Agrinioy](http://www.paseges.gr/el/news/Se-programma-paragwghs-biomazas-apo-thn-agrotika-ypoleimmata-h-Enwsh-Agrinioy)

PASEGES | PRESENTATION | HISTORY | STATUTES | Board | GUIDE MEMBERS | EN | GR

**ΠΑΣΕΓΕΣ**

**PASEGES** | **PRODUCTIVE SECTORS & COOPERATIVES** | **ISSUES** | **views** | **MAGAZINE** | [αναζήτηση...](#)

**COMMUNICATION** | **LINKS** | **Visit us on Facebook** | **WIDGET** | [Weather detail](#)

**POPULAR NEWS**

- 23.02.2017 | 13:56 Through Opekepe information on return EFK rural oil
- 24.02.2017 | 9:35 New hike in agricultural income for the sake of evaluation
- 24.02.2017 | 9:34 New OPEKEPE payments 12.8 million euros
- 23.02.2017 | 11:43 Overtime pay insurance contributions
- 24.02.2017 | 9:31 With circular and forthcoming regulation, exempt rural areas of reforestation due to forest maps

In biomass production program from the agricultural residues the Union Agrinio

22.02.2017 | 8:20

Rural Economy, Biomass, Europe / OJ, Environment, Region - Outdoors, Cooperatives

The SUCELLOG project, LEAD TO THE CREATION OF CENTERS LOGISTIC BIOMASS FROM AGRO-INDUSTRY, aims at broad participation of the agricultural sector to the sustainable supply of solid biomass in Europe.

The action of SUCELLOG focuses on an almost untapped logistical approach demonstrates the great synergy between the agro-economy and bio-economy: the agro-industrial facilities can be used during periods of inactivity, in order to manage and pre-process the agricultural residues for the production of solid biomass for local bioenergy market.

Through a combination of direct support measures to agro-industries and capacity building activities in the SUCELLOG has planted a seed for the further development of local initiatives for the recovery of residues from agriculture and therefore to increase competitiveness and sustainable development of the rural economy.

In the final stage of the project, the objectives of SUCELLOG is to disseminate the experience and knowledge gained in order to promote similar initiatives in other countries in the EU. This support focuses on the creation of skills in rural organizations that are willing to offer support to their members in such cases.

The training will be held in the Union of Agrinio by CIRCE (Research Centre for Energy Resources and Consumption).

The CIRCE is a research institute in Spain with extensive experience in education at all levels (masters, training courses and tailor-made courses for companies), which is part of the European Association of Renewable Energy Research Centres.

Common Agricultural Policy after 2014  
Download Form

**Figure 4: Advertisement in the website of PASEGES**

CIRCE focused the course on explaining in a practical way and through real cases and videos the most important aspects to bear in mind when thinking on starting an activity as biomass logistic centre.

The visits performed to the field, provided a vision of the agricultural situation and the agro-industries activities that was useful for CIRCE when explaining examples gathered in other countries and how they could be applied in the Agrinio context.

Moreover, sessions were also an opportunity for assistants to share opinions and comment on the opportunities/barriers that can be faced in their area when applying SUCELLOG concept.



**Figure 5: Pictures from the first day session in EAS Agriniou (organised by INASO-PASEGES)**



**Figure 6: Visits to the agro-industries (cereal drier and lucerne dehydration) and to olive and kiwi plantations where prunings were recently performed.**

### 3. Summary of the training sessions in Portugal

CONFAGRI organised SUCELLOG training for interested members the 10<sup>th</sup> of March 2017 in their headquarters in Lisbon.

A total of 4 people from agro-industries, 1 person from a technical centre working with agriculture cooperatives in several fields (like the energy efficiency) and 1 person from CONFAGRI attended the training (see attendant list together with surveys results in Annex II).

The agenda followed, some of the advertisements and pictures of the course session are shown below.



## Lessons learned from SUCELLOGproject

**Date:** 10 February 2017

**Place:** CONFAGRI Headquarters  
Palácio Benagazil  
Rua Projectada à Rua C Aeroporto Humberto Delgado  
1700-008 Lisboa

**Agenda:**

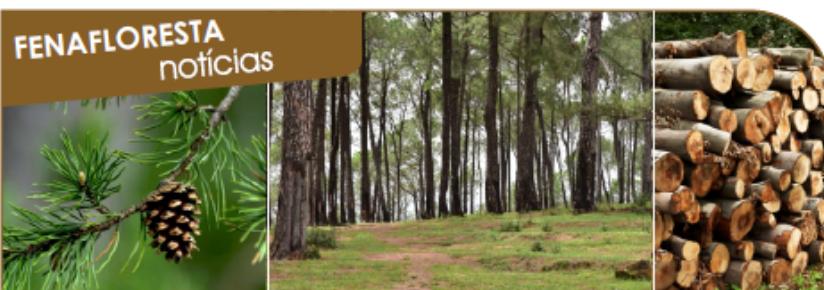
10:00 Presentation of SUCELLOG project – barriers and lessons learnt  
12:00 Key points for the success of SUCELLOG concept and real examples in Europe  
Technical and non-technical aspects for the implementation of SUCELLOG concept  
15:30 End

**Figure 7: Agenda of the training organised by CONFAGRI**



**Figure 8: Pictures of SUCELLOG course at CONFAGRI Headquarter**

**FENAFLORESTA**  
notícias



Federação Nacional das Cooperativas de Produtores Florestais, FCRL



**FENAFLORESTA**

Março 2017 n°1

## Parceria Europeia para a Inovação na Agricultura PEI-AGRI

A parceria Europeia para a Inovação na Agricultura abriu a possibilidade de nomear 20 peritos para integrar um novo Focus Group da PEI-AGRI relacionado com os seguintes temas:

- *Grazing for carbon: How to increase the soil carbon content from grazing systems?* (1<sup>a</sup> reunião 13-14 de Junho de 2017);
- *New forest practices and tools for adaptation and mitigation of climate change: Which new practices and tools can improve the climate mitigation and adaptation potential of EU forests?* (1<sup>a</sup> reunião 20-21 de Junho de 2017).

Estes grupos terão início em Junho de 2017 e espera-se que apresentem os seus resultados e recomendações após 12 meses.

Através do seguinte link podem obter mais informações acerca do referido focus group:

<http://ec.europa.eu/eip/agriculture/en/content/focus-groups>



## REFORMA FLORESTAL

Com 150.364 hectares de área ardida em 2016, entre povoamentos (82.595 ha) e matos (67.769 ha), o governo decidiu criar um grupo de trabalho interministerial, composto pelas Finanças, Defesa Nacional, Administração Interna, Justiça, Economia, Ambiente e Agricultura, Florestas e Desenvolvimento Rural, o qual desenvolveu medidas para “responder aos grandes desafios da floresta portuguesa”.

Este grupo de trabalho interministerial propôs um conjunto de medidas legislativas que foram aprovadas no Conselho de Ministros dedicado à Reforma das Florestas, tendo posteriormente colocado em discussão pública. A CONFAGRI emitiu em conjunto com a sua associada FENAFLORESTA os seus comentários relativos às medidas apresentadas:

- Sistema de Informação Cadastral Simplificada;
- Regime de reconhecimento das Sociedades de Gestão Florestal;
- Simplificação do regime de criação das zonas de intervenção florestal;
- Alteração do regime jurídico dos planos de ordenamento, de gestão e de intervenção de âmbito florestal;
- Novo quadro de incentivos e isenções fiscais e emolumentares para o setor florestal;
- Plano-Piloto de prevenção de incêndios florestais e de valorização e recuperação de habitats naturais no Parque Natural da Peneda Gerês;
- Reestruturação do Sistema de Defesa da Floresta Contra Incêndios;
- Estabelecimento do regime jurídico aplicável à criação e funcionamento das equipas de sapadores florestais;
- Revisão do regime jurídico das ações de arborização e de rearborização e Adoção do Programa Nacional de Fogo Controlado;
- Regime especial e extraordinário para a instalação e exploração, por municípios, de novas centrais de valorização de resíduos de biomassa florestal.

## CURSO SUCELLOG

Decorreu durante o dia 10 de Março na sede da CONFAGRI um curso:

“Como fazer um estudo de viabilidade de uma agroindústria disposta a se tornar um centro logístico de biomassa”

Um curso gratuito, inovador e experimental, onde se aprofundaram temas como : origens e formatos; Sistemas de combustão de biomassa sólida; Parâmetros que definem a qualidade; Requisitos de qualidade no mercado de biomassa sólida ISO17225; Como avaliar os recursos de biomassa agrária e florestal e como avaliar o mercado de biomassa?; Experiência com o projeto SUCELLOG; Como fazer um estudo de viabilidade de uma agroindústria disposta a se tornar um centro logístico de biomassa; Questões técnicas (equipamentos, recursos de biomassa e mercado); Questões económicas (cálculo dos custos de produção, avaliação da competitividade); Oportunidades e barreiras encontradas durante o projeto e recomendações políticas

Curso promovido pela CONFAGRI em parceria com a Fundação CIRCE (Espanha)

[www.confagri.pt](http://www.confagri.pt)

PROGRAMA DE  
DESENVOLVIMENTO  
RURAL, 2014-2020

SUCELLOG  
2020

PROJETO  
SUCELLOG  
Agroindústria  
de Biomassa  
de Portugal

**Figure 9: Advertisement of the course in the newsletter of the National Federation of Forest Wood producers of Portugal (audience of more than 1500 people).**

#### 4. Summary of the training sessions in Croatia

SUCELLOG results and lessons learned were presented the 29<sup>th</sup> of March in Zabreb thanks to the organisation from HPK (Croatian Chamber of Agriculture) and EIHP (Energy Institute Hrvoje Pozar). A total of 19 people attended the workshop.

The session was included in a workshop where the main scope was to show to interested Croatian stakeholders the opportunities of the agrarian sector to start or be part of initiatives in the energy sector. For that reason, the workshop started with a presentation from HPK and EIPH about all the innovative projects dealing with bio-economy in which a Croatian partner is involved.


#### Lessons learned from SUCELLOG project

**Date:** 29 March 2017

**Place:**  
Energy Institute Hrvoje Pozar  
Savska 163,  
HR-10000 Zagreb, Croatia

**Agenda:**

- 09:00 – 09:10 Welcome to the workshop (EIHP)
- 09:10 – 09:40 How energy and agriculture could do more together than going separate ways: presentation of agroenergy projects in Croatia – B. Kulisic & T. Radic
- 09:40-10:00 uP\_running, HPK
- 10:00 – 10:20 Biogas Action, EIHP
- 10:20-10:40 SUCELLOG project
- 10:40-11:00 Coffee break
- 11:00 – 11:30 Key points for the success of SUCELLOG concept
- 11:30 – 12:00 Real examples in Europe
- 12:00 – 12:30 Technical and non-technical aspects for the implementation of SUCELLOG concept
- 13:00 Discussion

LUNCH

Figure 10: Agenda of the training organised by HPK and EIHP



Figure 11: Advertisement of the workshop organised by HPK and EIHP



Figure 12: Pictures from the workshop

To foster similar initiatives as SUCELLOG in Croatia, a visit to one of the biomass logistic centres created during the project based on corn cobs was carried out. CIRCE organised the visit together with Lk Stmk the 30<sup>th</sup> of March. This trip was performed taking advantage also of a visit to a biomass gasification plant in Austria that the EIPH was going to carry out that day together with other Croatian stakeholders. Therefore EIPH and CIRCE carried out the visit to the two plants in the same day.

The visit to SUCELLOG logistic centre was of interest since the Croatians shares the same type of resources with no current use (the cobs) and the same type of facilities (cereal dryers).



**Figure 13: Pictures from the visit to SUCELLOG Austrian logistic centre  
(Mr Tchiggerl Agrar GmbH)**



Figure 14: Pictures from the visit to the biomass gasification plant with SYNCRAFT technology.