



Participation in national seminars and conferences

Abreviation

ESS – Energy Agency for Southeast Sweden

AB Ronneby – Ronneby Miljö och Teknik AB

AB Hultsfred – Emåmejeriet AB

Abstract

In this report the outcome from participating in national seminars and conferences within the EU Life+ project Small Scale CHP based on biomass in the region of Southeast Sweden (Life13ENV/SE/000113) is described and analysed, i.e short: Small Scale CHP from biomass. The project is partly financed by the EU Life+ programme and the Swedish Energy Agency.

The aim of the report is to present the results and lessons learned from participating at national seminars and conferences. The results in this report are valuable for other EU-projects.

The main results and lessons learned from participating at EU conferences within the Life+ project *Small scale CHP from biomass* are:

- Participating in conferences and seminars is a good way to disseminating the project to other organisations and companies within the nation. Oral presentation is the most efficient way to reach the audience, especially when the topic is highly specialized, and the project dissemination is targeted to a specific audience.
- It is good to disseminate the project in all project phases, even if the results are missing in the beginning.
- Being a returning speaker at several seminars and conferences gives the opportunity to present the progress and development of the project in all project phases.
- Participate at conferences with relevant target group is more important than participating at large conferences.
- The steering group members have been very important for the possibility to present and participate at different conferences and seminars.

Daniella Johansson

Energy Agency for Southeast Sweden

Project Manager for Life+ project: Small Scale CHP based on biomass in the region of Southeast Sweden (Life13ENV/SE/000113)

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Purpose of participating in national seminars and conferences

The general goal of participating in national seminars and conferences are:

1. To increase the awareness and knowledge of the technologies demonstrated in Small Scale CHP from biomass in relevant organisations and companies by orally presenting the EU Life+ project Small Scale CHP from biomass
2. Inform about the possibility to do study visits
3. Knowledge exchange. To be able to share experience and learn from others that have tested earlier technologies for small scale CHP
4. Gain new contacts and networks to be able to disseminate the experience from small scale CHP to the target group

Detailed sub-purpose for participating in national seminars and conferences

Purpose of participating:

- Get updated information on the present situation for the bioenergy market in Sweden and recent trends for future development in Sweden and EU.
- Increase the knowledge of the CHP technologies based on bioenergy and the bioenergy market and development as well as recent policies.
- Information exchange from similar projects that can be useful in our project

Objective of participating in national seminars and conferences:

Make organisations / companies aware of techniques for small scale CHP from bioenergy. Create an interest to come and visit the demonstration plants and learn more.

That these industries consider small scale CHP from bioenergy as a feasible alternative when a new investment is needed. The long-term objective is that this networking leads to more small-scale CHP installations.

Create contacts that forward the information to specific companies or organisations that could be interested in small scale CHP.

Objective and Achievement

<i>Objective</i>	<i>Achieved up to September 2019</i>
<ul style="list-style-type: none"> • 1 networking meeting per year (networking with Swedish Energy Agency, Swedenergy (former Swedish district heating association)) • Arrange 2 regional seminars/conferences per year • 800 visitors to seminars that ESS arrange • Participation in seminars/conferences by Svebio, Swedenergy (former Swedish district heating association) • Participating in exhibitions 	<ul style="list-style-type: none"> • 14 network meetings (1 in 2014, 8 in 2015, 3 in 2016, 2 in 2018) <ul style="list-style-type: none"> ○ Ronneby Miljö och Teknik AB ○ Linnaeus University ○ Svebio ○ Rotary Club Hultsfred ○ Emåmejeriet AB ○ Hultsfred municipality ○ Swedish Energy Agency ○ LRF • 14 seminars/conferences arranged by the CB (2 in 2014, 4 in 2015, 2 in 2016, 2 in 2017, 3 in 2018 1 in 2019) • More than 1000 people has visited the seminars arranged by ESS. More than 1600 people has been reached by oral presentations about the project at regional and national conferences and network meetings. Including the participation at exhibitions more than 2600 people has been reached. • 24 seminars/conferences and network meetings arranged by others than the CB (2 in 2015, 2 in 2016, 2 in 2017, 3 in 2018) Participation in seminars/conferences by, Svebio, Swedenergy (former Swedish district heating association) (2) <ul style="list-style-type: none"> ○ Svebio (3) ○ Swedish Energy agency (4) <p>Swedenergy (4)1 in 2015, 2 in 2016, 1 in 2017, 1 in 2018</p>

Identification of relevant national seminars and conferences

Identification of relevant national seminars and conferences to participate in has been performed after an invitation from the organizer. The following criteria has been evaluated before accepting an invitation and before organising a regional conference:

- Is the conference relevant for the project?
 - Is it the right target group?
 - Does it give the project a possibility to get new contacts, to meet new relevant contacts?
 - Does it give the project update on the current situation or recent updates on the bioenergy use in Sweden relevant to the small scale CHP development
- Is it cost-effective (not too long traveling and for relevant traveling expenses, free or lower participant costs for speakers)?
- Is it possible to give an oral presentation? If not, is it relevant to participate for networking or do they offer an opportunity to exhibit the project?

Results

There has been a large interest for the EU Life+ project Small scale CHP from biomass. It is a unique project that is demonstrating new technologies which are becoming more and more relevant with high electricity prices and limited capacity in the power grid, which are a reality in some places in southern Sweden, Stockholm and Mälardalen. The substantial interest has resulted in many invitations to national conferences. The project has been presented at 18 national and regional seminars/conferences, 14 network meetings and five exhibitions. In total over 2600 people has been reached by these activities. The project has reached the main dissemination goal that was set to participating in 8 seminars arranged by ESS and reaching 800 people.

The three main things that the project manager and the project has gained from all seminars and conference activities are:

- Possibility to disseminate the project to relevant audience
- Possibility for networking with the participants – resulting in new contacts each time
- Update in the current situation on the bioenergy market in Sweden and increased knowledge of current trends and development
- All dissemination activities have led to many study visitors

All national or regional conferences or seminars in which the EU Life+ project Small Scale CHP from biomass has been presented are listed in the table below. The table includes information regarding number of attendees, type of presentation (oral, networking or exhibition) and which partner that was presenting the project.

Table 1. National and regional conferences and seminars in which the EU Life+ project Small Scale CHP from biomass has been presented, including one conference that the participation was cancelled due to sickness.

Date	Seminar/ conference	Organiser	Location in Sweden	Oral, net- working or exhibitio n	No. of attend.	Invitation and presenter
Seminars and conferences on national level						
20.05.2015	Workshop Energy agency – partnership driven cooperation, small scale CHP	Swedish Energy Agency	Stockholm (national event)	Oral	Ca. 35	Invitation from Swedish Energy Agency - ESS
06.05.2015	Slutkonferens bränsleprogrammet	Energimyndigheten	National	poster	Ca. 120	Invitation from Swedish Energy Agency - ESS
3-4.11.2015	Stora kraft- och värme konferensen	Svebio	Malmö (national Event)	Oral	Ca.100	Invitation from Svebio (steeringgroup member) - ESS
12.04.2016	Panndagarna	Värme och Kraft-föreningen	Karlstad (national event)	Oral	>200	Invitation from steering group member - ESS

06.10.2016	Kraftvärmeforum	Svensk Fjärrvärme	Stockholm (national)	Oral	56	Invitation from Swedenergy, steering group member – AB Ronneby
21.02.2017	Framtidens fjärrvärme	Insigt events	Stockholm (national)	Oral	36	Invitation
05.10.2017	Kraftvärmeforum	Swedenergy	Stockholm (national)	Oral – Planned but cancel due to sick-listing		Invitation from Swedenergy, steering group member - ESS
25-26.04.2018	Fjärrvärmedagarna	Swedenergy	Stockholm (national)	Oral	>50	Invitation from Swedenergy, steering group member – ESS and AB Ronneby
26.05.2018	Informationsträff Life+	Naturvårdsverket	Stockholm (national)	Oral	Ca. 30	Invitation from Naturvårdsverket - ESS
04.10.2018	Kraftvärmeforum (ESS och Miljöteknik)	Swedenergy	Stockholm (national)	Oral	45	Invitation from Swedenergy – ESS and AB Ronneby
Presentation at national conferences has reached:					>670 people	
Seminars and conferences on regional level arranged by Energy Agency for southeast Sweden						
13.11.2014	Energiting Sydost	ESS	Alvesta (regional)	Oral	114	ESS
20.11.2014	Bioenergidagen	ESS and the bio energy group	Växjö (regional)	Oral	81	ESS
27.04.2015	Närproducerad el för regional utveckling	Svensk Energi/ ESS/Region Kronoberg /Coompanion	Växjö (regional)	Oral	75	ESS
24.04.2015	Bränsle-seminarium	Bioenergigruppen/ ESS	Växjö (regional)	Oral	81	ESS
20.11.2015	Bioenergidagen	Bioenergigruppen/Linneaus University/Energi kontor Sydost	Växjö (regional)	Oral	75	ESS
12.11.2015	Energiting Sydost	Energi kontor Sydost	Västervik (regional)	Oral	Ca.120	ESS and AB Hultsfred
30.05.2016	Sol, vind och bio-Kraftsamling sydost	Svensk Energi/ ESS/Region Kronoberg	Växjö (regional)	Oral	73	ESS

25.11.2016	Bioenergidagen	Bioenergi-gruppen/ Linneaus University/ESS	Växjö (regional)	Oral	63	ESS
29-11-2017	Bioenergidagen	Bioenergi-gruppen/ Linneaus University/ESS	Växjö (regional)	Oral	91	ESS
13.02.2018	Seminarium kring småskalig kraftvärme (ESS, Miljöteknik och Emåmejeriet)	Energikontor Sydost	Stockholm (national)	Oral	14	ESS
08.05.2018	Bioenergiseminarium: Möjligheterna för vår största gröna källa	Energikontor Sydost, Ronneby Miljö och Teknik AB	Ronneby (regional)	Oral	29	ESS
16.11.2018	Energiting sydost	Energikontor Sydost	Blomstermåla (regional)	Oral	37	ESS
25.01.2019	Bioenergidagen	Energikontor Sydost	Växjö (regional)	Oral	76	ESS and AB Ronneby
Presentation at conferences arranged by ESS has reached:					>	1000 people
Exhibitions						
23.04.2016	Energi och Miljömässa i Ronneby	Ronneby Miljöteknik	Local, Ronneby	Exhibition table	Ca.700	ESS and AB Ronneby
01.10.2015	Fastighet2015 i Kalmar	Marknadsrespons AB	Regional, Kalmar	Exhibition table	156	ESS
10.11.2016	Energiting Sydost	Energikontor sydost	Regional, Ronneby	Exhibition table	108	ESS
09.05.2018	Europaforum 2018		Alvesta (regional event)		Ca 100	ESS
Presentation at Exhibitions has reached:					>	1000 people
Network meetings						
12.2014	Board meeting at AB Ronneby	AB Ronneby (the CB)	Local	Oral		Invitation from AB Ronneby - ESS
3.03.2015	Västerviks municipalities	Västerviks municipalities	Regional	Oral	3	Presented with help of website - ESS
6.03.2015	Linnaeus University	Linnaeus University	Regional	Oral	5	Presented with help of website - ESS
18.03.2015	Biokraftplattformen (biopower platform)	Svebio	National	Oral	Ca. 25	Invitation from Svebio - ESS
14.10.2015	Rotary meeting (AB Hultsfred)	Rotary Club Hultsfred	local	Oral		AB Hultsfred

24.09.2015	Biokraftplattformen meeting nr.2	Svebio	National	Oral	Ca.20	Invitation from Svebio - ESS
25.11.2015	Dairy board meeting	AB Hultsfred	Local	Oral	5	Invitation from AB Hultsfred - ESS
04.12.2015	Seminar about wind power	Energikontor sydost (flyer)	Regional	Information material	44	ESS
14.12.2015	Municipality council (AB Hultsfred)	Hultsfred municipality	Local	Oral		AB Hultsfred
27.01.2016	Meeting with Swedish Energy Agency	Meeting with Swedish Energy Agency		Oral	3	ESS
21.04.2016	Workshop Swedish Energy agency	Swedish energy Agency		Oral	15	Invitation from Swedish energy agency
29.09.2016	Ölands skördefest	LRF, regional council	Regional	Seminar		AB Hultsfred
15.02.2018	Presentation för LNU studenter	LNU	Regional	Oral		ESS
30.05.2018	Meeting Mönsterås biogas (AB Hultsfred)					AB Hultsfred
Number of people reached by participation in network meetings					>120	
No. of seminars/ conferences			25	Total:	> 2600	

Presentations at national seminars and conferences have resulted in:

- Information regarding the project has reached relevant target group. Most of the seminars/conferences has been for the bioenergy and district heating sector in Sweden. Some seminars have been for farmers or companies located in Southern Swede, especially the seminars attended by AB Hultsfred. The target group present at national seminars and conferences have been:
 - District heating companies
 - Swedish Energy Agency
 - Organisations: (Svebio and he Federation of Swedish Farmers)
 - Consultants
 - Boiler manufacturers
 - Companies in South east Sweden
- Information regarding study visits to the demonstration plants
- Dissemination of the project and the results
- More study visitors to AB Hultsfred and AB Ronneby
- Articles in newspaper – which led to a study visit from IKEA at AB Hultsfred
- Invitations to other seminars/conferences

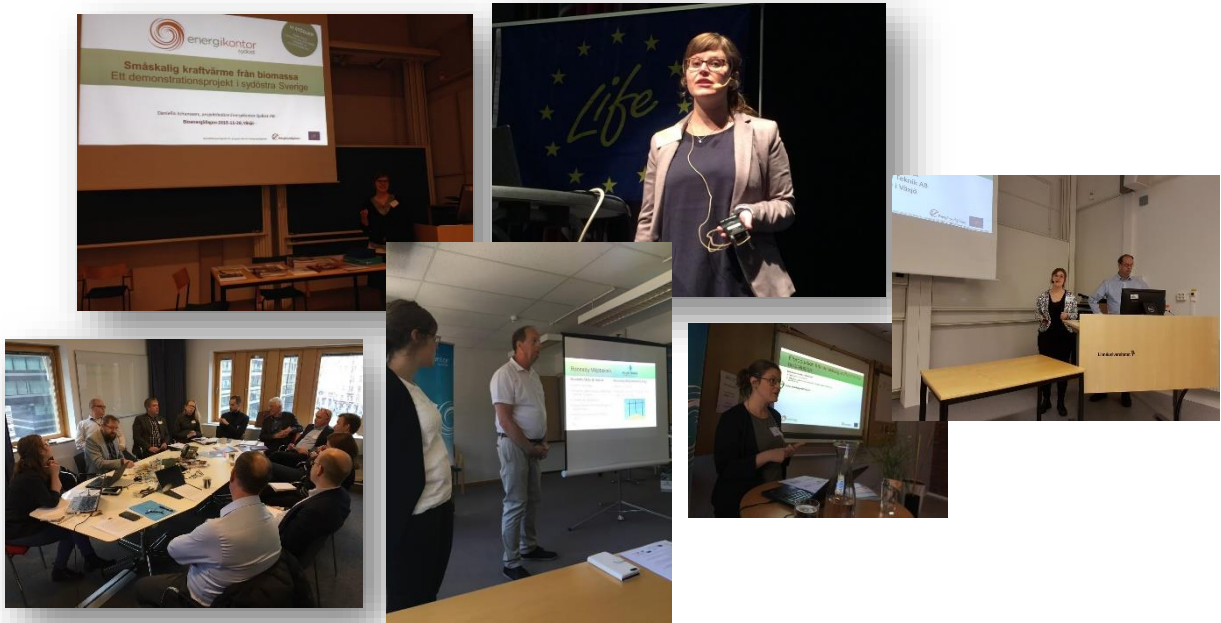
- New contacts



Presentation at regional seminars and conferences arranged by ESS have resulted in:

- Information regarding the project has reached relevant target group. The main target group represented at the seminars and conferences arranged by ESS are:
 - Local energy companies
 - Local politicians
 - Persons working with environmental issues in the municipalities, counties agencies and regions in Southern Sweden
 - The Linnaeus University
 - Consultant firms
- Information regarding study visits to the demonstration plants
- Dissemination of the project and the results
- More study visitors to AB Hultsfred and AB Ronneby
- That the possibility for study visits has been forwarded to other persons and in other networks e.g. the organisation Zero – which has led to study visitors at AB Hultsfred and AB Ronneby

- The possibility for the participants to follow the development of the project.
- New contacts



Presentations at network meetings and exhibitions have resulted in:

- Information regarding the project has reached relevant target group. The target groups that have been reached during exhibitions are mainly:
 - Property owners
 - Politicians
 - Energy companies
 - Persons from regional councils and municipality.
- Information regarding study visit to the demonstration plants
- Dissemination of the project and the results
- New contacts
- More study visitors to AB Ronneby and AB Hultsfred



Conclusions

By participating at many regional and national seminars and conferences the awareness of the project has reached more than 2600 people in, for the project, relevant organisations and companies. The participants at the seminars and conferences arranged by ESS, have had the possibility to follow the project development from one year to the other.

The lessons learned from participating at national seminars and conferences, within the Life+ project Small Scale CHP from biomass are:

- Regional and national conferences are a good way to disseminating the project to other organisations and companies within Sweden. Oral presentation is the most efficient way to reach the audience.
- The large number of presentations at regional and national seminars and conferences has been very important in order to reach the goal of 900 study visitors.
- It is good to disseminate the project in all project phases, even if the results are missing in the beginning. It is relevant to participate at the same conferences several times – if possible, for the participant to recognise and be able to follow the development of the project.
- Participate at conferences with relevant target group is more important than participating at large conferences.
- The steering group members have been very important for the possibility to participate at most of the national level conferences.

The networking and dissemination activities have been successful. Five years after we mentioned the project for the first time most of the district heating companies are aware of the small-scale CHP at AB Ronneby. District heating companies are the most important target group for two of the technologies.

Eight companies have already bought an ORC-unit, and more are discussing an investment in the coming years. Most of the companies participating at the regional conferences, i.e. most of the energy companies in south east Sweden have visit AB Ronneby. Many of district heating companies we met at the national seminars have also visit the demonstrations at AB Ronneby.

Boiler companies are preparing new small boilers for installing an ORC and consultant firms are asked to include the possibility of an ORC while calculating investments.



Future regional and national conferences

There are still interesting conferences to participate in to disseminate the project results. Some of these are:

- Bioenergidagen in Växjö november 14th 2019
- Bioenergidagen i Växjö in 2020

Appendix