



TREN/07/FP6EN/S07.70442/038514 SEMS

SEMS

Sustainable Energy Management Systems

Instrument: **Integrated Project**

Thematic Priority: **No. 6: "Sustainable development, global change and ecosystems (including energy and transport research)"**

D 4.01.1 Protocols from the LSC meetings (each 6 month)

Due date of deliverable: **M9 etc**

Actual submission date: **M9 etc**

Start date of project: **1st June 2007**

Duration: **5 years**












Organisations name of lead contractor for this deliverable: **REDANGE**

Revision **01**

Project co-financed by the European Commission within the Sixth Framework Programme (2002-2006)		
Dissemination Level		
PU	Public	
PP	Restricted to other programme participants (including services)	PP
RE	Restricted to a group specified by the Commission (including the Commission Services)	
CO	Confidential, only for members of the consortium (including the Commission Services)	

EU-Projekt SEMS SEMS Meeting

Montag, 09.05.2011
in L-8522 Beckerich

Teilnehmer/Gemeinde/Organisation	Unterschrift
Ferber Jean Commun Wohl	
Schwan Laurent Gemeng Ell	
Sabotiny André Gemeng Redange	
KOHL ALEX Gemeng Redange	
HANSEN MARC " Weiswampfen	
Bucari Erica " Sacul	
Near Marc Ridders Engschelder a.s.b.l	
Moss Judy L.E.E.	
GIRA Camille, C. de Bachmann	
REIDING Florc	
KAUTEN Paul Energiepark Reiden sa.	
Silvana Roulling Kanton Reiden	Roulling

Date	09.5.2011	Start	16h00
in	L-8523 Beckerich	End	18h00

Attending:

Schaus Laurent	Gemeinde Ell
Kohl Alex	Gemeinde Redange
Salentiny Ander	Gemeinde Redange
Bucari Erica	Gemeinde Saeul
Hansen Marc	Gemeinde Useldange
Ferber Jean	Gemeinde Wahl
Reding Flore	Gemeinde Beckerich/ Redange
Camille Gira	Gemeinde Beckerich
Neu Marc	Réidener Energiatlier
Kauten Paul	Energipark Réiden S.A.
Roulling Silvana	Syndicat Intercommunal „ De Réidener Kanton“
Jacoby Marc	L.E.E.s.à.r.l.

Not attending:

Ney Theo	Gemeinde Préizerdaul
Paquet Romain	Gemeinde Rambrouch
Bertrand Alex	CRP Henri Tudor
Daniel Koster	CRP Henri Tudor

Agenda

1. Refurbishment of old buildings: New financing concept - Energipark
SEMS goals - Current Status
- Refurbishment measures
- New buildings
- Solar thermal systems
- Heating Pumps
- Wood heating systems
2. Presentation of the new energy consultant – Energiatelier
3. Expansion of the biogas plant in Beckerich - LEE

1. Refurbishment of old buildings: new financing concept - Energipark

Even if the Luxembourg government offers a financial aid for refurbishment measures, the pre-financing of the work remains the main reason that prevents the homeowners to refurbish their house. Therefore Energipark provides in collaboration with the Fortuna Bank a new financing concept.

The principle:

Before the refurbishment the home owner receives an energy advice from Energipark. Accordingly a renovation concept is elaborated and an energy plan developed, including the calculation of the energy costs before and after the refurbishment, as well as a suitable financing concept. If the customer approves the concept, Energipark is going to take care of following procedures:

- Delivers the bank the customer data (eg household income)
- Suggests the customer the best possible financing to reduce the overall financial burden (frequency and duration of the credit repayment period)

The agreement with the Bank expressly provides for the possibility of funding through performance contracting.

2. **SEMS Goals – Current status**

New construction

Target → 100 low energy or passive new constructions

Current state → 44 achieved

After 4 years we have achieved half our goal, thanks to good cooperation with the municipalities. As the number of low-energy and passive houses has increased progressively from year to year, we are confident that we will achieve our goal by the end of the SEMS project in May 2012.

Refurbishment of old housing

Target → Energy-saving measures in 250 homes with a saving of at least 30% of heating energy.

Current state Energiatelier → 33 on-site visits for insulation measures

Current state Energipark → 45 energy advices to apply for and obtain government subsidies.

Current state of achieved refurbishment reducing at least 30% of the heat consumption → 2

Although many homeowners request an energy audit and despite generous government subsidies, the pre-financing of the refitting measures remains a problem. Therefore, most homeowners will realize all the renovation work progressively and are not going to achieve the required 30% heat reduction within the duration of the project.

To solve this problem of pre-financing Energipark now offers in collaboration with the Fortuna Bank, a new financing concept. (See point 1)

Heating pumps

Target → implementation of 200 new pumps of the energy efficiency class A

Current state → Households: 24 Heating Pumps

→ Community buildings: Useldange: 2

We are still far from our goal, but remain confident, however, because the new energy consultant who was just hired at Energiatelier will assist us in raising awareness of the inhabitants. Since September 2010, the first 200 residents of canton Redange will receive a SEMS aid of 150 - € when installing a new heating pump of the energy efficiency class A. The application form can be found on our local web page www.ksm.lu

Solar thermal systems

Target → implementation of 50 solar thermal systems

Current state → 168 solar thermal systems installed

Although we have exceeded our goal, we will continue to advise the population in relation to solar heating.

Wood heating systems

Target → Implementation of 100 wood heating systems possibly coupled with a solar thermal system

Current state → 17

We are still far from our goal, although the residents of Canton receive following SEMS aid in addition to the government aid:

- 1000, - € SEMS aid for a wood heating system
- 1500 .- € SEMS aid for a wood heating system coupled with a solar thermal system

Therefore once again the communities will receive the flyer with the SEMS aid actions, in order to redistribute it to the residents. In addition Marc Neu from the Energiatelier will support us during his

energy consulting, by sensitizing the population on this issue. In addition, we will contact the heating system installers of the region so that they can inform their customers about the SEMS project.

3. Introducing the new energy consultant - Energiatelier

Marc Neu the new energy adviser started on May 2nd, 2011 at the Energiatelier. We are confident that the collaboration with Marc will be of great help to achieve our SEMS project objectives.

4. Extension of the biogas plant in Beckerich - LEE

Marc Jacoby of the office L.e.e. explained the procedure to the expansion of existing biogas plant in Beckerich, which is expected to be extended from 600kWel to 850-950 kWel. (See attachment). The SEMS objective will then be achieved.











Next Meeting:

Place and date will soon be communicated.

EU-Projekt SEMS

LSC Meeting

Montag, 29. November 2010
in L-8523 Beckerich

Teilnehmer/Gemeinde/Organisation	Unterschrift
Roulling Silvana Reidenertanton	
Bertrand Alex CRP Henri Tudor	
NERSANT Mick Reidenertonic	
Ney Theo Gemeng Pricendaul	
Ferber Jean " Wall	
Schaus Laurent EII	
Paquet Rommi Rombwuch	
Lengen Tim " Biekerich	
Marc Jacoby Lee sard	
KAUTEN Paul Energipark Reiden s.a.	

hengen-tim@yahoo.de

Date	29.11.2010	Start	16h00
in	L-8523 Beckerich	End	18h00

Attending:

Hengen Tim	Community of Beckerich
Schaus Laurent	Community of Ell
Ney Theo	Community of Préizerdau
Paquet Romain	Community of Rambrouch
Ferber Jean	Community of Wahl
Bertrand Alex	CRP Henri Tudor
Jacoby Marc	L.E.E.s.à.r.l.
Kauten Paul	Energipark Réiden S.A.
Wersant Mick	Réidener Energiatelier a.s.b.l.
Roulling Silvana	Syndicat Intercommunal „ De Réidener Kanton“

Not attending:

Camille Gira	Community of Beckerich
Simon Nic	Community of Grosbous
Kohl Alex	Community of Redange
Zoller Gérard	Community of Saeul
Ferber Marc	Community of Useldange
Kaufmann Frank	Community of Vichten
Anzia Gérard	Réidener Energiatelier a.s.b.l.

Agenda

1. Baseline Table – Annual energy consumption to be communicated end of February
2. Energy accounting for municipalities
3. GIS - Mapping of renewable energy installations – Current State/ Privacy Policy
4. SEMS financial aid for wood chip oven or pellet oven
5. SEMS financial aid for heating pumps + hydraulic balancing for community buildings
6. SEMS financial aid for refurbishment measures - heat consumption must be reduced by at least 30% after refurbishment
7. Presentation of the posters and leaflets on energy savings guidelines in the industry sector – CRP Henri Tudor
8. Questionnaire regarding optimization of potential biogas plant in the north of the canton – L.E.E.
9. Energy Fair from April 2nd, 2011 – April 3rd, 2011 in Atert Lycée

1. Baseline table to establish the carbon balance

Introduction and current state of the baseline table by Paul Kauten from Energipark to the members of the communities.

Most of the building data was already gathered last year by the ECM. End of February the annual

heating consumption of the administrative communal buildings must be delivered. To communicate the needed data the communities will receive a spreadsheet.

2. **Energy accounting for municipalities**

Energy accounting is a very helpful tool to monitor and evaluate the energetic quality of the communal buildings and energy installations. It provides important data for the selection and planning of improvement measures and is thus a basis for cost and energy savings. To make this possible a regular, consistent and accurate data reading should always be held at the same date.

For this purpose, Energipark created an excel table which will be mailed to the municipalities by the ECM. The next data reading should take place in late December and the submitting of data should be done for 31.1.2011.

3. **GIS - Mapping for Renewable Energies**

The identification of existing installations for renewable energies in the Canton Redange is completed and can now be visualized on the basis of JPEG orthophotos. These files will be e-mailed to the municipalities of the canton by the ECM. In order to sensitize the residents of Canton these orthophotos could be published as a WEB GIS with the aim to create an imitation effect. Because of data protection reasons, a permit from the national data protection commission must be requested before publication.

4. **Wood as energy**

As part of SEMs all the private households of the canton should be motivated to be energy-conscious and be encouraged to opt for renewable energy sources.

In this context, the residents and communities who opt for a pellet or wood chip heating system will be financially supported by SEMs as follows:

- 1000 € SEMs aid for a wood chip oven or pellet oven
- 1500 € SEMs aid for a wood chip oven or pellet oven combined with a solar thermal installation

Conditions to be met:

- 1. Date of commissioning of the installation: not before 01.01.2008
- 2. The owner must provide the consumption data during 5 years for monitoring purposes.

5. **Replacement of the heating pumps + hydraulic balance**

When replacing an old heating pump by a new pump of the energy efficiency class A, up to 80% of the electricity consumed by the heat pump can be lowered. If additionally to the exchange, a hydraulic adjustment of the heating cycle is performed and the heating and hot water pipes are insulated, even 20% energy can be saved.

In this context, the first 200 residents of the Canton having replaced their old heating pump by a new pump of the energy efficiency class A, will receive 150 € SEMs aid. All information and forms can be found in this regard on our local website www.ksm.lu. An article has also been published in the regional magazine synergy and in the community newspapers.

The municipalities of the canton when replacing old heating pumps in the municipal buildings will receive following financial support:

- Maximum 500 € SEMs aid depending on the performance of the heating pump
- The SEMs aid is limited to 40 pumps and 2,000 € per municipality

Government aid for an hydraulic balance:

- 300 € for a single family home
- 150 € per apartment within an apartment building, with a maximum of € 1,500 or 50% of the real cost for the entire house.

6. **Refurbishment of old building – heat consumption reduced by at least 30%**

An energetic refurbishment of old buildings where a heat reduction of 30% has been achieved is also SEMS eligible:

For the communities:

- 1000 € SEMS aid per building limited at 5000 € per municipality

For residents:

- 1000 € SEMS aid for the first 50 households in the canton

All information and forms can be found in this regard on our local website www.ksm.lu. An article has also been published in the regional magazine synergy and in the community newspapers.

7. **Presentation of posters and leaflets on energy savings for businesses - CRP Henri Tudor**

The German version of the posters is completed.

The French version of the posters is still in the editing stage. The presentation will therefore take place at the next meeting.

8. **Questionnaire regarding optimizing the biogas plants - LEE**

Marc Jacoby of L.E.E. has created a questionnaire with regard to optimization of potential biogas plants in the communities. The questionnaire will be emailed to the communities. The municipalities can contact Marc Jacoby for any further questions.

Tel: (352) 267834-32

E-mail: jacoby@lee.lu

9. **Energy Fair 02 - 03.04.2011 at Lycée Atert**

The energy fair will be held from 02.04.2011 to 03.04.2010 at Atert lycée. Michel Wilwert of the Oekokluster CLIMEEC, the Energiatelier and the SEMS ECM Silvana Roulling will be responsible for the organization. More details will be communicated soon.

Next Meeting:

Place and date will be communicated.