



THERMOVALORISATIONS Project

Leonardo Da Vinci Partnership

MEETING REPORT

**3rd SEMINAR, Lycée des métiers LouisVICAT, Souillac, France
(12 to 14th October 2010)**

Attendees : Van Den Bulck Ivo (Teacher, BE), Elsen Jurgen (Teacher, BE), Ceulemans Matthias, Vanduffel Staf, Vanderberg Jelle, Kongprap Suphot, Krok Patrik, Van Aeken Nick, **(6 students from BE).**

Ivo VERJANS, 2BSAFE company in Tienen, BE.

Patrick AMPE, University of Ghent, BE.

Dinko Kostadinov PALOV (Teacher, BG), Radostina Vasileva PETROVA (Teacher, BG), Neven Jordanov KRASTEVA (Teacher, BG), Ivan Georgiev DIMITROV, Asen Todorov TODOROV, Georgi Stefanov TENEV, **(3 students from BG).**

Markku OLLINEN (Construction Teacher, FI), Juha SOLKIO (Construction Teacher, FI), Sari Alasentie, Senni Jussila, Eetu Mononen, Teemu Nissinen, Tomi Saarnio, **(5 students from FI).**

Françoise VILLENEUVE, (Directress of GRETA QUERCY ROUERGUE, Figeac), Nathalie LAVAURS, Ludovic LACOMBE, Gilles FONTANGE (Training specialist, Figeac), Leslie, Hélène, Lorna HUTTON (english teacher assistant, GB), Marie-Christine OSMONT (English teacher, FR), Patrick NICOLAS (Thermal engineering teacher, FR) and Jean-Philippe MARQUIÉ, (Civil engineering teacher, FR).

ALLEN Matthew, CASTILLON Nicolas, COMBES Kévin, GARNIER Quentin **(4 students in thermal engineering, Lycée Louis VICAT, FR).**

French experts : Elian COMENT (NEOTIM company, Albi), Stéphane PALAPRAT (NEOTIM company, Albi), Jean-Rémy FILTZ (LNE, Paris), Sébastien CHEVET (Quercy Energies, Cahors), Jocelyne BLASER (DREAL, Toulouse), Nicolas GAYET (ARPE-MIP, Toulouse), Philippe BAZZOLI (élu national à la CAPEB, entrepreneur, Union Nationale des Artisans maçons), Gabriel DAVID (CAPEB, training service, Paris).

Invited persons (but not present) : Elodie FLEURAT-LESSARD (LDI Cahors), Vincent LIGER (Pays Bourrian, Gourdon), Me LAGARDE (Région Midi-Pyrénées, Toulouse), M. Martin (DIRRECTE), M. CAVALIÉ (Pôle Emploi), M. LALANDE (CAPEB 46), M. Eric OUDET Principal Collège Puy d'Alon Souillac, M. Yves QUISSAC Proviseur LEP Hôtelier Souillac, M. Laurent MALIEN (Directeur Lot Habitat) Cahors, M. Bernard REYNIER (Cluster Bâtiment économe) Toulouse, Ulla PANTSAR (Salpaus, Lahti, Finland), Wim GEUVENS (PISO, Tienen, Belgium).

Thanks : Mr Guy ROUSSEAU headmaster Lycée Louis VICAT, Me Mireille ROUSSEAU, Mr Michel TRIGOSSE, headmaster Lycée Alexis Monteil Rodez, président of GRETA QUERCY ROUERGUE, Mr Jean-Yvon CABIOCH, director of studies, CAFOC, Toulouse. Mr Claude VIGIÉ.

These minutes and the associated Powerpoint presentations will be available on the following website page in the group password protected area

<http://wiki.lamk.fi/display/THERMOVAL/Home>

Structure according to Leonardo application file p. 42/48

Objectives of the meeting :

It was the third mobility of the project.

The main objective was that all delegations make an EPD with the Infrared camera on a French building already built with comparison and analysis of the inputs and outputs used and produced by each delegation. A special time was dedicated for input of the EPD data by the thermal experts of each delegation into the computer.

The second objective planned was to debrief and compare on the EPD made in Sliven, Bulgaria by all the delegations.

The last objective was to participate in three workshops planned at the same time, where all delegations were represented :

Workshop 1 : A workshop dealing with the writing of a European vocational training curriculum to the job of EPD diagnostician.

Workshop 2 : A workshop dealing with the analysis synthesis of the EPD results and the conclusions.

Workshop 3 : A workshop dealing with the writing of a common European mode for the EPD + IR with proposition of European harmonization.

A short final account of their work by each delegation was realised.

1) REVIEWING THE ACTIONS :

According to the previous meeting report (Bulgaria, Sliven, April 2010, reviewed in september 2010) :

Partners presentations :

All partners have uploaded the main presentations on the dedicated website.

This action has to be completed (action partly completed 30 %).

Final project plan :

The project coordinator has sent a synthesis after the last seminar in Bulgaria, to the different partners in September (action fully completed : 100%).

Policies on low energy buildings :

Work done is not in agreement with the time-schedule. So it is asked to the different partners to urgently provide a synthesis relatively to the national/regional policy of each country.

As mentioned, page 45/48 a “Comparative document about national or regional conception and realization of the process on low energy buildings (even positive buildings)” is an expected result (number 2) for November 2009 (partly achieved 25 %).

France Action 1 : Each delegation will send a synthesis to the coordinator before the next mobility in Belgium.

National policies and comparative study analysis :

All the national policies have been presented in detail (action fully completed 100 %).

France Action 2 : EPD + IR inspection to be performed by all the delegations students in the next mobility in Belgium.

2) RESULTS :

Sliven, Bulgaria EPD without IR inspection results :

This test is now completed. All the results, and the French presentation must be uploaded on the dedicated Bulgarian website <http://87.121.77.174/thermoval/index-thermoval.html>

Souillac, France EPD + IR results :

Elements of comparison have been produced (Data Capture for EPD : Inputs, Help Infrared Camera Landmarks, Outputs and complete Lexicon).

The objective were all delegations fully characterize a practical case (flat or house, one and same building) and produce the results analysis : Inputs, Outputs, Energy and Climate Etiquettes (action partly completed 75 % (3 delegations except Finland)).

France Action 3 : The Finnish delegation will produce the results of their EPD without IR with some delay.

A workshop dealing with the analysis synthesis of the EPD + IR results and the conclusions was made in Souillac.

The head was Mr Jean-Rémy FILTZ, PhD, French expert, from LNE in Paris.

A Powerpoint presentation will be realized and will be sent to all the delegations.

By email, Jean-Philippe Marquié invite all the attendees to discuss and progress until the next seminar.

France Action 4 : A workshop dealing again with the analysis synthesis of the EPD + IR results, to be presented during the next seminar in Belgium. (French results and Belgian results, with comparison and conclusions). The restitution of the conclusions of the workshop will be presented in plenary session.

3) COMMON EUROPEAN MODE FOR THE EPD + IR : (Common framework for an EPD + IR)

See the application file page 45/48.

A workshop dealing with the writing of a common European mode for the EPD + IR with proposition of European harmonization was made in France.


The head was Mr Elian COMENT, PhD, French expert, from private company NEOTIM in Albi.

A Powerpoint presentation was realised and sent to all the delegations.

By email, Jean-Philippe Marquié invite all the attendees to discuss and progress until the next seminar.

France Action 5 : A workshop dealing again with the writing of a common European mode for the EPD + IR to be presented during the next seminar in Belgium.

The restitution will be presented in plenary session.

 **In France, it's possible to rent a thermographic camera for 93 € a day. So our common framework is also for a normal person (without required knowledge) or not ?**

4) EUROPEAN VOCATIONAL TRAINING CURRICULUM :

A workshop dealing with the writing of a European vocational training curriculum to the job of EPD diagnostician was made in France.


The head was Mr Jean-Yvon CABIOCH, director of studies, CAFOC, Toulouse with the help of Gabriel DAVID and Philippe BAZZOLI twice from CAPEB, France.

A Powerpoint presentation was realised and sent to all the delegations.

By email, Jean-Philippe Marquié invite all the attendees to discuss and progress until the next seminar.

France Action 6 : A workshop dealing again with the writing of a European vocational training curriculum to the job of EPD diagnostician to be presented during the next seminar in Belgium.

The restitution will be presented in plenary session.

 **Jean-Yvon CABIOCH wants a conclusion (training framework) after the next seminar because he wants to test this training in France with a few trainees and propose correction during the last seminar in Rodez, France.**

5) Evaluation and self-assessment of the third seminar and continuing plan for the project :

All the different items were assessed and evaluated at the end of the seminar by all the partners. Therefore the evaluation has been fully completed and results have been reported. Proposal for the next seminar will be produced by the Belgian delegation.

6) Getting to know the partners (additional presentations) :

The Bulgarian delegation had a presentation about EPD of individual building with ENSI “Key numbers” software.

The Belgian delegation had a presentation of their pedagogical uses of thermographic camera.

The Finnish delegation had a presentation of their pedagogical practices in the field of construction (civil engineering).

France Action 7 : Check that all the presentations made in France have been uploaded on the dedicated website.

7) Self-assessment process presentation and plan for the partnership :

Lycée Louis VICAT in Souillac hosting this third seminar presented in detail the self-assessment process.

Next meeting :

Place : PISO, Tienen, Belgium

Date: 18th-20^h January 2011 3 days (Arrival Monday 17th and Departure Friday 21th)

The French team
November 15th 2010