

COST C23 WG1 Notes of meetings on 12 and 13 January 2006

Present:

Øyvind Aschehoug (NO)	Werner Lang (DE)
Rossano Albatici (IT)	Gerald Leindecker (AT)
Demetri Bouris (GR)	Jørgen Munch-Andersen (DK)
Torben Dahl (DK)	Geralt Siebert (DE)
Phil Jones (UK)	Marjana Sijanec Zavrl (SI)
Aleksandra Krstic-Furundzic (CS)	Chris Tweed (UK)
Pekka Lahti (FI)	René Wansdronk (NL)

Apologies:

Marc Frère (BE)
Geralt Siebert (DE)

Task 1.1—national responses to EPBD

Progress on this task was discussed during the first meeting of WG1 on the Thursday (12 January). The chairman restated the objectives of this task:

to gather information for each participating country under the headings: structures, processes, content and other measures;

to analyse information collected under these headings and make comparisons between different countries; and

to summarise progress on implementation activities in each country.

The responses have been received from Italy, Greece, Belgium, Denmark, Slovenia, Germany, Austria, Finland and the United Kingdom. The meeting discussed the required quantity, content and format for information as there was a wide variety in the submitted material, and only one country provided the information in the format suggested in Cardiff. After some discussion it was decided that a standard template and an example would help to identify the precise type of information required. Chris agreed to provide this information at the end of January.

Task 1.2—case studies

The general discussion about case studies during the first day concluded that cases should not necessarily highlight 'best practice' but should be chosen because of their interest. Cases therefore may illustrate a particular difficulty or problem and may offer a critique rather than simply a description. It was recognised that this approach would require collecting more information and would require more effort on the part of members of the Action.

The WG1 cases studies presented during the plenary session are listed below, but full details will be available on the Action web site (<http://www.icube.eu.com/>).

1. Phil Jones presented two cases:
 - a. Plas y Mor Porth Twyn in Lanelli, Wales, is a highly insulated block of apartments for the elderly which also uses passive solar design and heat recovery; and
 - b. a 'zero carbon' office development in Zurich.
2. Majana Sijanec Zavrl presented one case on the refurbishment of a trade retail outlet, which included an analysis based on life cycle costs.
3. Rene Wansdronk described two cases studies with which he has been actively involved both of which are nearing implementation stage: one is based in the China, the other in the Netherlands.

4. Oyvind Aschehoug presented two cases:
 - a. refurbishment of an office building with a BP solar skin creating a double skin with integrated photovoltaics;
 - b. low energy buildings at Husby Amfi in Norway.
5. Pekka Lahti presented predictive modelling on likely benefits from refurbishment options which could be carried out on Finland's existing housing stock and also included some information on transport which could be considered as a case study for WG2.
6. Gerald Leindecker described the design and construction of the Christophorous House, an office building in Stadtl-Paura, Austria.
7. Demetri Bouris presented described the thermal characteristics of over 100 dwellings connected to the lignite-powered Kozani district heating system.
8. Werner Lang presented two cases:
 - a. design of school buildings in Libya in which the skin is intended to reduce the dependence on building services
 - b. refurbishment of a family home
9. Aleksandra Krstic-Furundzic presented some general issues surrounding the refurbishment of existing buildings, including the insulation of attic annexes in Belgrade. Possible cases in Sweden, Bristol and Aalborg were also presented.
10. Jørgen Munch-Andersen discussed the requirements of the new Danish regulations and possible improvements against a reference house.
11. Rossano Albatici presented two cases:
 - a. the Vieider House for which there are now considerable and comprehensive monitored data available;
 - b. the Acli Casa in Trento, which uses conventional but high quality materials.
12. Konrad Wildenauer presented a summary of a new biomass power station in Vienna.
13. Chris Tweed described some previous research into the dynamic thermal behaviour of insulation options for no-fines housing in Northern Ireland.

In the discussion that followed the meeting considered the need to expose the different methods used to calculate likely carbon savings.

Summary of next steps

Task 1.1:

Chris will develop a more detailed structure and template and distribute this to members to help with the collection of information relevant to this task.

Task 1.2:

Chris, in consultation with Phil, will select three of the cases presented at this meeting to be developed in more detail for presentation at the next meeting in Trondheim.

Jørgen agreed to consider the headings that are needed to compare the performance (in terms of carbon usage) of different cases. This will be reported on at the Trondheim meeting.

Action members (in either working group) are encouraged to gather preliminary information to propose further cases for WG1. There will be time allocated on the agenda for the next meeting to allow further presentations. WG1 presentations from Portugal and Cyprus would be particularly welcome.