

COST C23 WG1

Notes of meeting on 10 September 2007

Geneva

Present:

Rossano Albatici (IT) Helena Corvacho (PT) Phil Jones (UK) Aleksandra Krstic-Furundzic (CS) Pekka Lahti (FI) Petros Lapithis (CY) Werner Lang (DE)	Gerald Leindecker (AT) Juozas Ramanauskas (LT) Fernando Rodriguez (ES) Adam Rybka (PL) Geralt Siebert (DE) Chris Tweed (UK)—Chairperson René Wansdronk (NL)
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Apologies were received from:

Vincent Buhagiar (MT)
Marc Frère (BE)
Jørgen Munch-Andersen (DK)
Marjana Sijanec Zavrl (SI)

Notes

Chris Tweed suggested three topics for discussion:

- Report on the use of the template to describe a case study by Phil Jones.
 - A review of progress on case studies.
 - Interviews with end-users of EPBD legislation.
1. Phil Jones reported on his attempts to fit the case study of Plas y Mor previously presented by Phil Roberts to the template. He noted two main difficulties:
 - It is difficult to collect information on decision making after the design process has finished. It was agreed this was probably the most difficult aspect to describe, but that it was important to be able to include it, if only to note, for example, that the design process departed from the traditional design-tender-build model.
 - He also noted that the case study currently filled 11 pages, including the images. This would be too long to fit within the suggested length of 10 pages for each member state. The meeting agreed that cases included in the book should be no more than two pages, including images.

Following Pekka Lahti's presentation of the national template several members of the group emphasised the need to include somewhere in the final document a description of the historical, architectural context, including the vernacular architecture.

Fernando Rodriguez asked about the indicators to be used in assessing carbon performance. It was decided to leave this open for now and return to the topic in Madrid.

Petros Lapithis asked for clarification about whether to use theoretical examples or real examples. Chris Tweed suggested that real examples were preferred, but that if these were not available then theoretical cases could be used. The most important criterion was to have case studies for each of the member states.

2. The list of cases was revised and extended to as far as possible to consist of one new building and one refurbishment. The revisions are indicated in the appendix.

The meeting agreed that all previous cases and new case proposals should be presented according to the template by 19 November 2007. This should allow a summary to be presented in Madrid.

3. There was not enough time to consider the third item on the agenda—interviews with end-users of EPBD legislation—and so it was agreed to carry this over to the agenda of the next meeting in Madrid.
4. There were no items of any other business.

Chris Tweed, 11 September 2007

Appendix 1 – list of WG1 case studies. New proposals are shown in red.

Country	Title	Summary	Lcube participant case provider
Austria	The Christophorus House	Multi purpose office building with low energy consumption.	Gerald Leindecker
Austria		Refurbishment example	Gerald Leindecker
Belgium	The new FOREM education centre in Mons	Education building for unemployed, highly specialised in environmental and energy technologies.	Marc Frère
Belgium		Air-to-air heat pumps	Marc Frère
Cyprus			Petros Lapithis
Cyprus			Petros Lapithis
Denmark	New Danish energy requirements and examples of fulfilment	Energy requirements and examples of EPBD properties.	Jørgen Munch Anderson
Denmark	Improving insulation of concrete sandwich panel buildings	This case provides details of the refurbishment of 1970s concrete housing.	Jørgen Munch Anderson
Germany	Refurbishment of single-family house in Bavaria.	Refurbishment of house including modification of layout, replacement of fabric and increase in size.	Werner Lang
Germany	Solar district heating plants	Pilot installations of solar district heating using central pit storage by ZAE Bayern in Attenkirchen and Munich/Ackermannbogen	Wolfgang Schölkopf
Germany	Solar air conditioning research	Thermally driven air conditioning systems and liquid desiccant cooling systems for dehumidification. Demonstration Project ZAE Bayern & L-DCS Technology GmbH.	Wolfgang Schölkopf, Astrid Hublitz
Greece	Sample of Representative Buildings Connected to Kozani District Heating System	Analysis of energy savings from 100 buildings (mostly residential) including building parameters, constructional changes and carbon dioxide savings.	Demetris Bouris

Country	Title	Summary	Lcube participant case provider
Italy	Sustainable buildings in Italy	Investigation of design and construction of an individual wooden house and a residential settlement to save energy.	Rossano Albatici
Italy		Refurbishment project	Rossano Albatici
Libya	Building System Development for Libya	Consideration of elements that improve comfort, low fossil fuel use, cultural treasure, fabrication methods, materials, flexibility and maintenance of school buildings.	Thomas Herzog Werner Lang
Lithuania		Refurbishment regulations	Juozas Ramanauskas
Lithuania			Juozas Ramanauskas
Malta	Environmental Design in Maltese Contemporary Architecture: Lessons to be learnt from the past	This presents environmental design characteristics of a series of residential and commercial Maltese buildings.	Vincent Buhagiar
Netherlands	Environmental programming of urban development	Looks at the reasons why environmental programming is important, defines environmental aspects and the associated objectives. Considers the qualities that should exist to document goal achievement.	Rene Wandsronk
Netherlands		New building	Rene Wandsronk
Norway	BP Solar Skin – BIPV Double Facade	Presents new façade concept with PV cells and the combination of a double façade with integrated photovoltaic system.	Øyvind Aschehoug , Anne Grete Hestnes
Norway	Low-energy buildings in Norway	Presents a general design strategy and an example of a residential development of 51 dwellings where many technical solutions have been applied to reduce energy use.	Anne Grete Hestnes
Poland		Multi-family houses—existing buildings	Adam Rybka
Portugal		Social housing complex—new building	Helena Corvacho
Portugal		Refurbishment example	Helena Corvacho
Serbia and Montenegro	Strategies for a Low Carbon Urban Environment	Introduction of energy in residential buildings and a presentation of the situation in Belgrade. Other European case studies are summarised.	Aleksandra Krstic-Furundzic

Country	Title	Summary	Lcube participant case provider
Serbia		Family building under construction	Aleksandra Krstic-Furundzic
Serbia		Research into refurbishment of buildings constructed during the moden period	Aleksandra Krstic-Furundzic
Slovenia	Life Cycle Costs & Integrated Planning Approach in Design Process of Mercator Retail Trade Shop Refurbishment.	Use of life cycle costing and integrated planning during the refurbishment of a retail shop to illustrate how to approach planning with the aim to propose cost effective and environmentally friendly solutions.	Marjana Sijanec Zavrl
Slovenia			
Spain	Sustainable edification tool	Presentation of a tool that enables evaluation of how sustainable a building is using different groups of sustainability indicators and the application of the tool in practice.	Fernando Rodriguez
Spain			Fernando Rodriguez
UK (Wales)	Plas y Mor Porth Tywyn Llanelli	38 apartments for older people with associated facilities for independent living. Includes timber frame construction and environmentally sensitive glazing.	Phil Jones
UK (Wales)—Switzerland	EMPA—Switzerland		Phil Jones
UK (Wales)	Warm Wales—Neath/Port Talbot existing housing		Phil Jones
UK (N Ireland)	Low Energy Design	Analysis of potential upgrade of residential properties that have been constructed with no-fines concrete to reduce energy consumption and carbon emissions.	Chris Tweed