

Editorial

Dear Co2olBricks Stakeholders,

I am very pleased to announce that we have successfully started the Interreg IVB Baltic Sea Region Project „Co2olBricks“ in February this year. The lead partner of the project, the Hamburg Department for Heritage Preservation appointed me as project coordinator for Co2olBricks. During the last 8 years I worked in many Interreg – projects in the Baltic Sea Region and in EU-wide research projects in the Framework Programme 6 of the EU. I got to know the Baltic Sea Region during this time very well. I visited most of the cities where the Co2olBricks project partners are situated. Many of them not only for business reasons but also during my sailing holidays with the sailing yacht of my sailing club. So I can say I know the Baltic Sea as well, not only the region.

During the first half year of operation we conducted our kick-off partner meeting and our International Kick-off conference which was opened by the Hamburg Minister for Culture Barbara Kisseler. For the lectures we had speakers from Estonia, Latvia, Belarus and Germany who reflected on their point of view how to facilitate improvements of energy efficiency of buildings without covering the façade with insulation material.

The project partners had a second working meeting at the Swedish National Heritage Board in Visby on the island of Gotland where important steps forward in the work were made.

And we are very proud of the successful „International Youth Conference on Climate Change, Cultural Heritage and Energy Efficient Monuments“ from 1st to 4th June in Kohtla-Järve in Estonia.

About all of these events you can read in this newsletter.

The first version of our website is up and running under the link www.co2olbricks.eu. Soon a more elaborated website will be published where numerous information about the project and related issues will be published.

Best Regards

Jan Prahm

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IN FOCUS: Kick-off Expert Conference in Hamburg



„On 1st April 2011 Co2olBricks publicly started its work with an international expert Conference on Heritage Preservation and Energy Efficiency in Hamburg. Over 120 international experts from Denmark, Sweden, Finland, Estonia, Latvia, Lithuania, Belarus, Poland and Germany attended the conference when the then newly appointed Hamburg Minister of Culture, Barbara Kisseler and Mr Stefan Herms, Director General Department International Relations, Senate Chancellery Hamburg opened the conference. In the second part of the conference four expert lectures were held. The start was made by Mr. Frank-Pieter Hesse, Head of the Department for Heritage Preservation, Hamburg under the title “Values of monuments, values of climate” where he demonstrated the importance of brick buildings for the townscape of Hamburg, especially those from the 1920ies but also from the 1950ies which are endangered to disappear due to outside insulation. In the following lecture Mr Endrik Arumägi, researcher at the Tallinn University of Technology in Estonia gave important insights into the Research principles and renovation demands of the brick apartment buildings in Estonia.

Mrs. Andra Blumberga showed under the title Green Investments for energy efficiency in buildings in Latvia how the country is using revenues from the European Emissions Trading system to improve the energy efficiency of historic and protected buildings in Latvia.

Last but not least Dr. Anatoli Charkashyn, Head of Laboratory of the Research and Production Engineering Enterprise „Institute NIPTIS named after S. Ataev“, Belarus showed the research results of Applied technologies and solutions of heritage preservation and energy efficiency in Belarus.

After the lectures and the following lunch, the project partners started having a study tour to see residential districts in brick architecture of the 1920s. Mr. Albert Schett of the Department for Heritage Preservation, presented impressive examples on how to deal with energy efficient measures at historical buildings.

All presentations will soon be available on our website www.co2olbricks.eu.

Already on the previous day, the project partners had an internal meeting with intensive and fruitful discussions on the wide work programme of the project.“





REVIEW:

International Youth Conference in Kothla-Järve

From 1st June 2011 until 4th of June 41 pupils from Sweden, Russia, Belarus, Estonia, Lithuania, and Germany took part in the International Youth Conference on “Climate Change, Cultural Heritage and Energy Efficient Monuments” in Kothla-Järve, Estonia. All in all over 80 persons participated in the conference. On the first conference day the pupils presented their interpretation of the topic of the conference which showed the wide range of problems that are seen and at the same time a broad spectrum of solutions suggested. It became clear that the pupils invested a lot of time and effort in order to give a deep insight into the cultural heritage of their towns and what they want and can do to protect both, the climate and the monuments. Following to the presentation the pupils split up into five sub-groups and discussed three questions:

- **What was the main message of your presentation?**
- **What are the main commonalities of the presentation?**
- **What are the main differences of the presentations?**

The Result of the group discussions led to the following

Declaration of the Kothla-Järve Youth Conference:

“The cultural heritage of all countries has to be preserved as well as the environment.

Pupils should be given the opportunity to both acquire knowledge about the importance of cultural heritage monuments as well as to become actively involved in the selection of those objects to be preserved.

Protection of the environment from climate change creates positive effects on cultural heritage monuments. This includes all measures to reduce CO₂ as well as the reduction of harmful substances and noise that are damaging to residential amenity. In inner city areas, travel by private cars should be reduced, use of public transport increased and networks of bicycle paths extended. Non-renewable fossil fuels have to be replaced by renewable energies.

Climate protection includes a wide variety of measures to save energy and reduce CO₂ production. Historic buildings should not be excluded from this task, but at the same time corrective measures must not compromise their aesthetic qualities. This refers especially to the insulation of walls.

School is an ideal place to learn about energy efficiency.”



On the second day the conference participants visited four cultural heritage buildings, the Mäetaguse Manor, the Kukruse Manor, Saka Manor and the Pyhtitsa Dormition Convent where examples of the combination of renovation of the monuments and protection of climate without effecting the monument could be seen, e.g. the use of a ground heating system and a heat group in the cellar for heating the Kukruse Manor.

The cultural highlight was the presentation of cultural heritage by the pupils showing sketches and traditional dances in the traditional dresses during a concert in the Kothla-Järve Center of Culture.



Workpackage 3: Policy Development

The participants in work package 3 consists of nearly every partner in the Co2ol Bricks project; 16 partners from 9 countries in EU and Baltic Sea area.

The first period of the project in work package 3 has been devoted to an inventory of the current status in each country concerning management of cultural heritage and energy efficiency questions, laws on protection, building regulations and financial mechanisms.

The work package has met twice during the period, in Hamburg in March and Visby in May. The work has been done in the meetings in a workshop forum working together in groups of 5 people, discussing and presenting the result - which seems like a good way to learn from and to get to know each other! Between meetings the work package keeps regular contact and each partner is responsible for setting up regional network and events to discuss the projects progress and results. In addition to project meetings the work package leaders had gathered once in Stockholm to discuss and prepare the work. Within the work package the Swedish partners hve met twice during the period to coordinate the work nationally. The next period starts with a first compilation of the inventory done by the work package leader that will be presented and discussed at next meeting, in Helsinki in October.

Therese Sonehag, Swedish National Heritage Board

Workpackage 4: Technical Innovations

In work package 4 “Technical Innovations” 12 project partners from seven countries are participating. During the first period of Co2ol Bricks two workshops were held.

At the kick-off meeting in Hamburg all project partners had been introduced into the difficulties the aspects of heritage preservation and the reduction of energy consumption of historic buildings. Within a fruitful discussion the partners explained their individual problems in the partner countries and gave first insights in their common strategies and technical methods. An excursion to the Hamburg residential settlement “Dulsberg” demonstrated the existing problems in built reality.



During the session in Visby the position of every partner became much clearer. A broad agreement exists that the current way to improve the energy consumption of historic buildings cannot be the right approach. Today the starting positions for a refurbishment are not analysed comprehensively enough. The implemented measures are based on theoretically calculated values (heat transmission) and ignore the reality. It is necessary to enforce more practical analysis of existing buildings than theoretical calculations. A prime consensus in the work package could be “first thinking, than implementing”. In the second period of the project the partners will continue the regular contact and work on their topics. Furthermore, a compilation of the common way of refurbishment examples from the participating countries will be published and presented. Beyond that concrete analysis and base line studies will be launched after a common preparation during the partner meetings in Helsinki and Malmö.

Albert Schett / Bendix Bürgener, Department for Heritage Preservation Hamburg

Workpackage 5: Education

During the first 5 months of the project two international project partner meetings in WP5 were held. During the first meeting in Hamburg, Germany on 31. March 2011 general information was provided about the tasks for WP5 and the preliminary work-calendar. Afterwards a questionnaire was sent out for the baseline study on the national and regional educational situation and what the specific needs are. During the WP5 meeting in Visby first results of the baseline study questionnaire and the educational goals were discussed. It was concluded that the baseline study must be supplemented by:

- descriptions of the problems in each country caused by segregation between normal restoration and renovation;
- descriptions of the problems with cooperation of workers, designers, other people involved in renovation process;
- descriptions of the problems with the system of expertise before the renovation work starts;
- that energy efficiency and heritage both must be integrated in educational studies

During the discussion about the educational goals in the Co2olBricks project the following conclusions were made:

- There is a lack of knowledge on historical techniques;
- Property owners must also be involved in educational courses and must be given advice how to make buildings more energy efficient;
- The market must be stimulated so that consumers understand that specific expertise is urgently needed and that they demand this expertise from the planners and building companies
- The general public must be informed and given a message that they are able to reduce expenses for energy consumption by carefully applying latest renovation technologies
- Vocational training must be market-oriented with the focus on local needs
- The specialists need to have informal meetings to share knowledge – construction workers need to talk to the team members of the Co2olBricks project
- The education materials must concentrate on the questions of how to apply new materials on old buildings, the techniques, common background, and effects if something is done wrongly. Education at universities must include more theoretical knowledge, knowledge about cultural heritage, whereas craftsmen must be more educated in understanding the building, construction, materials, refurbishment concepts and lifecycle of the building. The baseline study is now in a stage of active collecting and completing of information. The work is being coordinated by the Vilnius Gediminas Technical University. Members of the INTERREG project named “BSR Quick” also have promised to share information about SMEs and the educational situation in the BSR.



Marija Burinskienė, Vilnius Gediminas Technical University

Dates and Events

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| • 05.-11.09.11 Tallinn Estonia | Forum “Historic towns and villages” |
| • 06.-09.09.11 Minsk Belarus | “BUDPRAGRES ‘2011 19th International Specialized Exhibition” |
| • 15.-16.09.11 Tampere Finland | “Finnish Property Manager Annual Conference” |
| • 10.-12.10.11 Wroclaw Poland | Forum “Value the Heritage!” |
| • 12.-14.10.11 Helsinki Finland | Fair “Real Estate Exhibition and Electricity” |
| • 18.-21.10.11 Helsinki Finland | “World Sustainable Building Conference” |
| • 20.-23.10.11 Riga Latvia | 7th International Trade Fair „Environment and Energy 2011“ |
| • 03.-04.11.11 Hämeenlinna Finland | Convention “Annual Convention of Property Investment Prospects” |
| • 16.-18.11.11 Minsk Belarus | Conference “3d Belarusian Innovation Forum” |
| • 02.-04.02.12 Vilnius Lithuania | “Education Fair Vilnius” |
| • 22.-24.11.12 Leipzig Germany | Fair and Conference “Denkmal Leipzig” |

find more information and updated events on www.co2olbricks.eu

NEWSLETTER · ISSUE 1

Climate Change · Cultural Heritage · Energy Efficient Monuments

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- p.3 · Kothla-Järve Town Council / Igor Parv
- p.4 · KIINKO - Real Estate Education / Marja-Leena Sallinen
- p.5 · Vocational Training Centre Hamburg

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