



# REBECEE



Renewable Energy and Building Exhibitions in Cities of the Enlarged Europe

NEWSLETTER

No. 18 - June 2009

## Ljubljana REBECEE building exhibition is coming 9 - 26 June 2009

SPECIAL

The year is over and after initial REBECEE 2008 exhibition we are now expecting the opening of the 2009 architectural exhibition that will take place in the Glass Atrium of the City Hall in Ljubljana from 9 to 26 June 2009. Although one year is quite short in building development field, we are pleased to report considerable changes that happened on low energy and RES field in Slovenia. Is it because of energy and financial crisis or is it because of the REBECEE activities over the last two years? The answer is not simple, but there is no doubt that REBECEE encouraged several investors to take practical steps versus low energy, passive and CO2 free building designs. We are please to welcome two recently realised projects by the public investors: the kinder garden in Gornja Radgona and the kinder garden in Radovljica. The first one is a most successful "factor 8" refurbishment to passive standard and the other one is new development in passive standard.

Of cause the 2009 exhibition will present many development projects from the REBECEE partner from Ljubljana, the Public

Building Fund of the Municipality Ljubljana. Two successful refurbishments in Steletova and Kvedrova, 23 living units in passive building with 12 kWp PV power plant at Pipanova street and the biggest development, the 183 flat low energy complex Polje 1 where one of the six blocks will be equipped with thermal solar collectors and PV station. The Building Fund developed two new projects in last year. The first is the passive house for enabled citizens in Vincarjeva road. The second project consists of three rows of 27 low energy flats, equipped with higrosensible ventilation systems and 80 m<sup>2</sup> thermal solar collectors array on a flat roof.

The exhibition will present also the results of a pre-exhibition event that recently took place in the Šiška High School in Ljubljana. This school runs education programme for electric installers and is the first and so far the only school in Slovenia that offers the programme for installers of PV power plants, solar thermal systems and for heat pump specialists. This kind of investments are now boosting in Slovenia. The school has its own 26 kWp PV power plant being some years in



metering solar radiation



solar cookers in testing



High school Šiška



PV power plant on school roof

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Intelligent Energy  Europe

This project is supported by Intelligent Energy - Europe (IEE), implemented by the Intelligent Energy Executive Agency (IEEA).

## Tallinn REBECCE building exhibition opened

operation and has also installed various PV configurations for training purposes. The school agreed to take part in REBECCE events and will present two posters at the exhibition. On one poster they will report on their activities on PV field and on the second poster they will report on solar cookers activity: they build various solar cookers and monitor their performance.

Slovenian REBECCE staff found good project partner in Faculty for Architecture for promotion, training and monitoring activities. The Faculty runs Slovenian Consortium for Passive Buildings which is similar to IG Passivhaus in Austria and Germany. In June 5 they organise annual meeting and training events for architects in order to inform them with new developments in this field. The faculty also took part in international architectural contest on passive architecture design and received many prizes. The four projects from that contest will be presented on their seminar and exhibition on 5 June and on the REBECCE exhibition from 9 to 26 June. You can find all REBECCE exhibition posters at <http://www.rebecee.si/en/virtual-exhibition.html>

The architectural exhibition will be accompanied with technical workshop that will take part on 16 June at the municipal building in Linhartova 13 and will be free of charge to all participants. The workshop will deal with technical details on most crucial aspects of the design and realisation of passive buildings. First presentations will deal with building envelope technologies, massive and wood construction materials and details. Next presentations will focus on energy system design and ventilation designs and combination with heating configuration. The Slovenian REBECCE general sponsor that runs electric transmission network will presents techniques for rational use of electric energy in households.

Along with the exhibition there will be visits organised to all realised development projects that will open doors to interested publics. On five locations visitors will be offered guided tours to various low energy and passive buildings.



*Dolgi most project*



*Vincarjeva project*



*refurbishment Steletova*



*refurbishment Kvedrova*



The opening ceremony of the Tallinn REBECCE building exhibition took place on 22th of May in busiest shopping centre in Tallinn, Viru Keskus. The REBECCE project partners from Germany, Holland and Sweden took part on the opening ceremony of the exhibition. Vice Mayor of Tallinn Eha Võrk opened the exhibition, the speeches were also made by Head of Tallinn City property department Einike Uri, Mayor of Kiel Peter Todeskino and REBECCE project coordinator Peter M. Friemert.

The 10-day period in Tallinn, Viru Keskus, was the introduction to the exhibition and gave the general public possibility to learn about renewable energy technologies and energy saving and get information about Tallinn REBECCE exhibition projects.

The main idea of the exhibition was - The sun! Solar energy! Active and passive solar energy! In the exhibition the information about solar energy, energy efficiency, passive houses and Tallinn City Projects were presented.

One focus of the exhibition was on the passive house and passive house building process. The passive house planning, location and architecture, walls and isolation, doors and windows, roof, heating and ventilation were introduced. This was the most popular subject of the exhibition and many visitors were interested to learn more about the passive house technologies and passive house projects in Estonia.

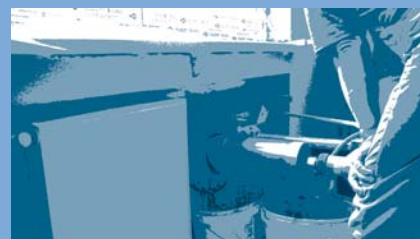
The important part of the exhibition was the introduction of the Tallinn City Projects, Two study tours took place and gave the public and also the REBECCE project partners the chance to see the Tallinn REBECCE projects.

The corner for active solar energy use was introducing samples, panels, water heaters, working models and "how everything works" diagram. It was attractive to people since many visitors have never had a contact with renewable energy components. It gave them opportunity to see exactly how they work and ask questions.

Practical part of the exhibition gave the answers to many visitors and who found this still not to be enough were able to register themselves to the renewable energy seminars and workshops what are taking place all through the exhibition time.

The workshops are addressed to the different target groups - municipal officers, craftsman, architects, planners, trade companies, investors, civil servants and key actors. First seminars have been already taken place and have attracted a wide audiences.

The closing event of the Tallinn REBECCE Exhibition will take place on 18th on June in Tallinn City Property Board.



# Dates



## *past*

September 5th to 28th 2008  
Innovative Building Exhibition (InBA) Kiel 2008  
Kiel/Germany

April 23th to 30th 2009  
EnBo09 housing and energy fair  
Alingsås/Sweden

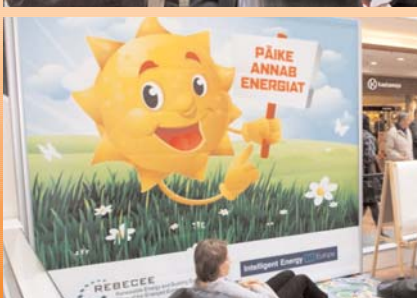
May 22rd to June 19th 2009  
REBECCE Building Exhibition Tallinn  
Tallinn/Estonia

## *upcoming*

June 8th to 26th 2009  
Second Building Expo Ljubljana  
Ljubljana/Slovenia

September 21st to 25th 2009  
REBECCE Building Expo EFL  
Amsterdam and The Hague / The Netherlands

November 4th 2009  
Final REBECCE Project meeting  
Brussels/Belgium



[www.inba-kiel.de](http://www.inba-kiel.de)

[www.enbo09.se](http://www.enbo09.se)

[rebecee.tallinn.ee](http://rebecee.tallinn.ee)

[www.rebecee.si](http://www.rebecee.si)



# Network



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[http://ec.europa.eu/energy/intelligent/index\\_en.html](http://ec.europa.eu/energy/intelligent/index_en.html)

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[www.rebecee.eu](http://www.rebecee.eu)