

Facts and News from EIHP

July 2017 - January 2018

General

The General Board of the Hrvoje Pozar Foundation awarded the "Hrvoje Pozar" annual award for the year 2017 on 5 July. The ceremony was held in the main hall of the Croatian Academy of Sciences and Arts in Zagreb.

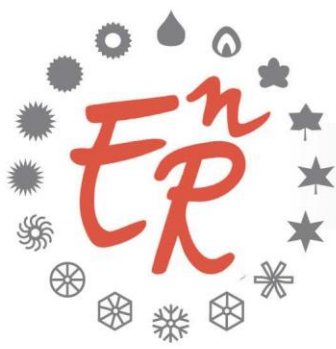
On the occasion of marking the 23rd anniversary of the existence and work of the Energy Institute Hrvoje Pozar, on 7 July, a traditional annual meeting with journalists was organized on which the Director of the Institute Mr. Goran Granic, Ph.D. presented the business activities of the Institute.

On 17 November 2017, the 26th Forum - Energy Day in Croatia was held in the Museum of Contemporary Art in Zagreb. The theme of the Forum was: European Commission Winter Package – is it ambitious enough to make radical changes on the energy market?

In December 2017 Ministry of Environment and Energy has published annual energy report - Energy in Croatia for the year 2016 whose author is EIHP.

Energy Efficiency

The new Regulation on energy audits of buildings and energy certification including the new Methodology on performing energy audit of buildings were published in September 2017. They have introduced a major change in energy certification of buildings, the calculation of energy performance up to primary energy level including a new appearance of the energy certificate of buildings. Trainings for authorized experts performing energy audits and producing energy certificates were intensive in this period to adopt new skills to perform more complex calculations.



The National calculation tool for energy performance of buildings and the Central electronic database for energy certificates were launched in October 2017. The National calculation tool presents a reference tool for determining energy performance of a building and is free of charge for all users. Other commercial tools are also available. Central electronic database is used by the authorized experts to submit, issue and store the energy performance certificates for all newly made documents. All previously issued certificates will be uploaded by the Ministry. This database also performs administrative precheck of the energy performance certificates and prevents faulty issued documents to be used in the market.

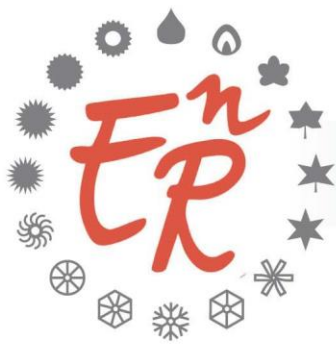
EIHP has conducted and finished energy audits of big energy consumers for the companies iNovine d.d., Sberbank d.d. and KFK d.o.o. Energy audit for the Swimming Pools in Osijek was completed. Energy audit and energy certificate was realized for a private apartment and a house. Currently, EIHP is performing energy audit and energy certificate for a group of 14 buildings within Thalassotherapy in Crikvenica.

Renewable Energy

On 18 January 2018, the Government of the Republic of Croatia issued a Regulation on issuing energy consent and establishing the conditions and terms of connection to the power grid, which will simplify the way of connection from 1 April, and will introduce a new category - a household with own energy production, which should encourage citizens to put PVs on their roofs within the existing connection capacity. This Regulation regulates the procedures of issuing energy consent by establishing individual conditions of connection to the power grid and contractual relations between the network user and the competent energy entity with respect to the terms and conditions of the connection. It replaces the General Conditions for Electricity Supply (OG 14/06) which has regulated the issue of connection to the power grid.

According to the report of Croatian Transmission System Operator Ltd., the state on the date 31 January 2018 shows:

- 21 wind power plants of eligible producers with the total installed capacity of 519 MW
- 1,223 photovoltaics of eligible producers with total installed capacity of 51,489 MW
- hydropower capacity reached 4.5 MW



- total installed capacity of biomass power plants is 35.95 MW

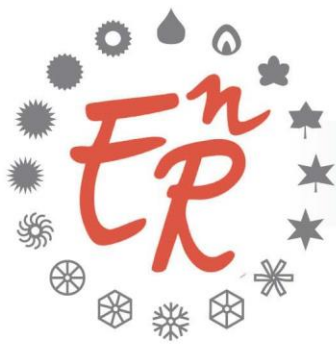
Relevant work of EIHP in the field of renewable energy sources in the last six months includes 8 studies on wind power, 4 on solar power and 5 on hydropower in Croatia and region.

International Cooperation

On 29 June 2017, the *multEE* consortium in cooperation with the Energy Community Secretariat held its final conference at Sofitel in Vienna. The *multEE* project - Facilitating multi-level governance for Energy Efficiency, aimed to improve the consistency and quality of energy efficiency policy planning and implementation. Led by Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) through its Open Regional Fund for South-East Europe-Energy Efficiency, *multEE* brought together ten partners from nine European countries and integrated different leading institutions working at the interface of energy efficiency research, policy design and implementation. The conference was organized back-to-back with the triannual meeting of their Energy Efficiency Coordination Group of the Energy Community, which brings together the EU and its neighbors to contribute to an integrated pan-European energy market. With this conference *multEE* has completed its activities.

Interreg project *IMPULSE* has a strong interacting with *SHERPA* project and thus two projects have signed a memorandum of understanding in June 2017. The memorandum was signed in order to better achieve the objectives of both projects and leverage their synergies in the topic of Energy Renovation for Public Buildings. The cooperation between the two projects will be implemented in the framework of the activities of the thematic community "Efficient Buildings", respecting and contributing to the objectives of the community.

Energy Institute Hrvoje Pozar is organizing a workshop every year in cooperation with the IAEA (International Atomic Energy Agency) on the topic of the use of tools for modeling, analysis and planning of the energy system. This year's workshop was held in the period from 24 - 28 July 2017 in the premises of EIHP. The workshop has brought together experts in energy planning from over 15 countries. The aim of the workshop is to further strengthen the capacity of national teams in the field of modeling, analysis and planning of energy system development to improve energy security and reduce greenhouse gas emissions. The workshop was based on the studies and results achieved by national teams in their



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countries on actual situations and data on the energy system and their modeling using the IAEA models (MESSAGE, MAED, WASP etc.).

Horizon's project *Bioenergy4Business* has officially completed its activities on 31 August 2017. Final project meeting was held on 12 October 2017 in Brussels.

On 17 October 2017 project *Urban Learning* held its final conference. During this event, urban and energy planning experts from the URBAN LEARNING partner cities Vienna, Amsterdam, Berlin, Paris, Stockholm, Zaanstad, Zagreb and many others shared and discussed their good examples and future plans were needed to innovate planning processes and to support a decarbonised energy supply through integrated urban energy planning.

Within the European project *TRUST-EPC-SOUTH* Energy Institute Hrvoje Požar, on 10 November, had organized a workshop on energy efficiency contracts. The workshop, aimed at energy service providers, had a goal at offering the public practical and critical information on energy efficiency contracts. In the first introductory part of the seminar, the TRUST-EPC-SOUTH project was presented, and a project evaluation tool was described. The second segment was focused on energy efficiency contracts, looking at issues from the legal, technical and economic side, clarifying specific details. The third segment was focused on possible projects.

The IEA Bioenergy Task 43 Workshops - Attractive Systems for Bioenergy Feedstock Production in Sustainably Managed Landscapes was held on 20 November 2017 in Sydney, Australia. Our colleague Ms. Biljana Kulišić, PhD. participated on the Workshop with a presentation on the Contribution of Short Rotation Coppices (SRC) to extortion of the ambrosia on the territory of the city of Osijek.

On 30 November 2017 in the EIHP's premises the workshop was held as part of the technical support provided to the Ghana by the International Atomic Energy Agency (IAEA). EIHP has been selected by the IAEA as a provider of information to experts from Ghana regarding the connection of nuclear power plants to the transmission grid, the necessary characteristics of the transmission grid for the connection of nuclear power plants, and the characteristics of nuclear power plants required by the transmission system operators.

These are the most important updates on the work of EIHP and on the most important developments in energy efficiency and renewable energy in Croatia for the 2nd half of 2017.