

14,00 – 16,00 Lecture „Renewable energy sources and protection of the environment in innovative entrepreneurship“

The Zagreb Development Agency (RAZA) – Zagreb Technology Park (TPZ) shall present its activities in encouraging entrepreneurship in the city of Zagreb. Included there will be presentations of companies from the Technology park that deal in innovative entrepreneurship in renewable energy sources and environment protection. The current financing possibilities, local or foreign, for companies dealing in energy efficiency and eco-innovations shall also be presented.

Location: City of Zagreb Tribina, Kaptol 27, Zagreb

THURSDAY, May 14th, 2015

09,00 – 14,00 International conference „Joint implementation of the EU energy policy for energy security and sustainable development of urban areas“

Many prominent international lecturers and experts and also the representatives from Croatian ministries and companies will participate at the international conference entitled „Joint implementation of the EU energy policy for energy security and sustainable development of urban areas“. The conference shall present innovative financial solutions in the implementation of energy projects, the challenges in the implementation of energy efficiency measures, institutional and legal framework to achieve the goals of sustainable energy development, efficient and sustainable energy supply and its contribution to energy security and financial mechanisms for the promotion and implementation of energy efficiency.

Location: Old City Hall – Ćirilometodska 5, Hall A, Zagreb

15,00 –18,00 Seminar for Supporting Structures

The seminar for Support Structures will gather representatives from the international organization ICLEI, GIZ and the Covenant of Mayors Office, who will present ideas encouraged by bilateral cooperation, replication and good practice and report on the monitoring of the Sustainable Energy Action Plan for energy efficient development (SEAPs Monitoring Report). The presentation of the European project Mayors in Action (wherein the City of Zagreb is a partner) will be held as part of the seminar. The project empowers Coordinators and Support of the Covenant of Mayors (C & S) to help their local communities in the implementation and monitoring of their SEAP.

Location: Old City Hall – Ćirilometodska 5, Hall A, Zagreb

10,00 – 12,00 Round table “Sustainable urban mobility“

In cooperation with its partners, the Croatian auto club will present to its members and citizens the models of safe and energy efficient urban mobility that contribute to the sustainable development of cities.

Location: Croatian Auto club, Avenija Dubrovnik 44, Zagreb

10,00 –14,00 Energy day of the Faculty of Architecture and Faculty of civil engineering

Lecturers from the Faculty of Architecture and Faculty of civil engineering are organizing the ECO-SANDWICH day where they will present the project ECO-SANDWICH – From innovation to realization - precast facade panel of recycled aggregate for reconstruction and new building energy standard A+.

Location: Faculty of Architecture, Kačićeva 26, Zagreb

13,00 - 16,00 DOOR association public debate

The association DOOR (Society for Sustainable Development) shall organize a public debate for interested citizens in order to present the results of projects conducted in Zagreb suburb TRNSKO. The emphasis will be at the opening of energy markets and what it means for citizens.

Location: City od Zagreb Tribina, Kaptol 27, Zagreb

16,00 –19,00 Open door day: Energy Institute Hrvoje Požar

The Energy Institute Hrvoje Požar shall open its door to visits by groups of pupils, students, expert associations and citizens. The visitors shall be informed of the development and the possibilities of application of new technologies, new solutions concerning energy production through the use of renewable energy sources. They shall also be informed of the reconstruction of the existing business object which allowed for reaching high energy standards.

Location: Energy Institute Hrvoje Požar – Savska cesta 163, Zagreb

14,00 – 16,00 Open door days at the Faculty of Mechanical Engineering and Naval Architecture

The Faculty of Mechanical Engineering and Naval Architecture shall open the door of its laboratories for renewable sources of energy to expert visits by representatives of crafts and entrepreneurs, representatives of local self-government units, groups of pupils, students, expert associations and citizens. The visitors shall be able to see, on actual test systems, the work of the geothermal heat pump with heat inverter (100 m depth), solar photovoltaic and collector systems, a small wind power plant, fuel cells and hydrogen production as an alternative fuel using renewable energy and the operation of the biomass boiler. The visit to laboratories will be preceded by presentations of the said technologies in the faculty classrooms.

Location: Faculty of Mechanical Engineering and Naval Architecture, University of Zagreb, Ivana Lučića 5, Zagreb

15,00 – 18,00 The City Housing and Municipal Services Company open door day

The City Housing and Municipal Services Company shall present its projects and activities.

Location: ZG Forum, Gajeva 27, Zagreb

10,00 – 12,00 Open door days, HEP ESCO

The company „HEP ESCO“ shall present the ESCO projects and various possibilities of cooperation in the field of energy efficiency and renewable energy sources. The experts from HEP ESCO shall present the models of implementing projects of energy efficiency and renewable energy sources, present the new energy services on the Croatian market as well as the possibilities for possible future cooperation and provide answers to your questions.

Location: City of Zagreb Tribina, Kaptol 27, Zagreb

16,00 – 17,00 Lecture “ Social entrepreneurship in energy “

As part of the „Kids&Wind“ project the association O.A.ZA., shall hold a lecture on good practices of social entrepreneurship and corporativism forms of financing in the energy sector. The lecture shall also present a project in development that aims to build a wind turbine of 2.5 MW owned by the 3,000 children from all over Croatia. The project was first presented in Belgium, where it was shown to be a great way of longterm savings which helped teach the children on the importance of investing in renewable energy sources.

Location: Association O.A.ZA., Petričeva 5, Zagreb

FRIDAY, May 15th, 2015

08,30 -16,00 Workshop “Energy Efficiency in industry“

The workshop is organized under the Industrial Energy Efficiency Network (IEEN), with the participation of a number of institutions: Ministry of Economy, Ministry of Entrepreneurship and Crafts, Croatian Chamber of Economy, Croatian Employers' Association, Center for Monitoring Business Activities in the Energy Sector and Investments, Environmental Protection and Energy Efficiency Fund and others. The aim of the workshop is to inform and educate the representatives of the industrial sector in Croatia about the importance and possibilities of energy efficiency as well as the legislative framework. The organizers will also present examples of good practice in the implementation of such projects and the various possibilities of their financing.

Location: Croatian Chamber of Economy, Zagreb Chamber, Draškovičeva 45, Zagreb

09,30 -16,30 Workshop “Adaptation to climate change on regional and local level“

The Ministry of Environment and Nature Protection and Regional Energy Center Croatia shall organize a workshop as part of the project CroAdapt- “Support in the preparation of Croatian adaptation strategies to climate change“ which aims to inform and consult local and regional stakeholders on the expected impacts of climate change in Croatia and common identification of customization options and the necessary measures at the local level. The project is part of the preparatory activities for the development of the National Strategy for adaptation to climate change which is implemented by REC Croatia, Ministry of Environment and Nature Protection and Baltic Environmental Forum from Germany.

Location: Croatian Chamber of Economy, Nova cesta 3-7, Zagreb

10,00 – 12,00 Project ZagEE Study tour

The City of Zagreb, City Office for Energy, Environment and Sustainable Development will organize a study tour of buildings refurbished through the project ZagEE with the presentations of the results achieved. The visitors shall be shown the implementation of energy efficient measures as well as photovoltaic and solar systems. Participation at the study tour needs to be communicated to the City Office for Energy, Environment and Sustainable Development beforehand.

Location: Trg Stjepana Radića 1 and kindergarten „Pčelica“, Zagreb

15,00 – 17,00 Open door days

The City of Zagreb, City Administration and economic subjects shall open their door to the visiting groups of pupils, students, expert associations and citizens. The visitors shall be shown the photovoltaic and solar systems on the objects of the City administration building and economic subjects. Participation at the study tour needs to be communicated to the City Office for Energy, Environment and Sustainable Development beforehand.

Location: Trg Stjepana Radića 1, Zagreb

10,00 – 12,00 „Who is excellent in Croatian green economy?“

Association for Energetics for Croatia and partners shall organize the meeting „Who is excellent in Croatian green economy?“ in order to present the role and importance of the leading Croatian label for excellence in the green economy, the most successful industrial examples of Croatian green economy and launch a debate on the importance of monitoring and evaluation of trends in Croatian green economy. They will also present the results of research for 4 of the 12 strategic areas Croatian green economy (sustainable architecture, construction of low-carbon, sustainable planning and intelligent home control and renewable energy).

Location: Old City Hall – Ćirilometodska 5, Hall A, Zagreb

11,00 – 12,00 Presentation „What are sustainable development and corporate social responsibility?“

The association ODRAZ – Sustainable development in the community and the HR PSOR – Croatian business council for sustainable development, shall hold a presentation on the topic of sustainable development principles, show a short animated film and explain what it means to behave socially responsible and do business and how that relates to sustainable development.

Location: ZG Forum, Gajeva 27, Zagreb

08,00 – 20,00 Open door days: Croatian Professional Society for Solar Energy

The Solar House in Španško shall open its door to the visiting groups of pupils, students, expert associations and citizens. The visitors shall be informed of the development and the possibilities of new technologies application as well as new solutions of the system for the production of electric energy and hot water through the use of renewable energy sources using the example of an individual family object.

Location: Croatian Professional Society for Solar Energy, J. Kavanjina 14, Zagreb

SATURDAY, May 16th, 2015

08,00-20,00 EE Info day

The central part of the Zagreb Energy Week is an EE Info Day. This manifestation will include presentations of economic subjects, scientific and educational institutions, entrepreneurs, civil society associations, ECO kindergartens and schools active in the field of energy efficiency measures, renewable energy sources, ecologically acceptable fuels and protection of the environment. The presenters shall show their exponents and services on the provided stalls and the citizens will have an opportunity to directly contact with the presenters.

Location: City of Zagreb, Main City Square

10,00 – 14,00 Expert seminar: „Energy restoration up to Factor 10 and renewable energy sources“

Lecturers from the Faculty of Architecture, in cooperation with colleagues from other faculties, City Offices and other institutions, expert associations, student associations, companies, expert magazines publishers shall organize an expert seminar concerning advanced energy efficiency (nearly zero energy building) and the restoration of buildings up to „factor 10“ as well as renewable energy sources.

Location: The Zagreb City Tribina, Kaptol 27



Zagreb energy week

11.-16. 05. 2015.



CITY ZAGREB

DEVELOPMENT WE DON'T WANT STOP,
BUT POLLUTION WE CAN!



www.zagreb-energyweek.info



City Office for Energy,
Environment and Sustainable Development



Dear citizens, distinguished guests of the City of Zagreb and esteemed participants of the Zagreb Energy Week,

it is a great honor and pleasure to welcome you to the traditional Zagreb Energy Week 2015, an event that is held with great success for the sixth year in a row.

The Zagreb Energy Week presents a complex mosaic of a whole range of activities with the aim of including all generations and

stakeholders in a long-term fight against climate change. Our message **“Development we don’t want to stop, but pollution we can!”** calls upon joint action in implementing projects for sustainable urban development and the preservation of natural resources for future generations. The Zagreb Energy Week, which is to be held from May 11-16, 2015 contains in its rich program a number of international conferences, expert meetings, open door days, seminars, classes and workshops that deal with key subjects of energy and environment.

Today, the world is facing major and urgent issues such as global warming and climate change. Answers to these questions need to be identified through synergy on the national and local levels, by involving all concerned stakeholders and through active cooperation in the international arena. Rational use of energy, use of new green technologies and renewable energy sources are important tools and drivers of economic development, job creation and brighter prospects of our young generations.

The City of Zagreb Administration is determined to actively implement the measures of energy efficient development of the City of Zagreb and realize strong and successful cooperation with all of the relevant local and foreign subjects. The Energy Week provides a unique opportunity to the citizens of Zagreb, Croatia and the wider European region to learn more about the models and ways of achieving significant energy and financial savings, reducing greenhouse gas emissions and the harmful impact on the environment. Numerous activities of the Zagreb Energy Week aim to raise the environmental awareness of citizens and stakeholders concerning the need to protect the climate and the environment and use energy and natural resources in a rational manner.

By accepting the Covenant of Mayors and as a Supporting Structure of the European Commission-Directorate General for Energy, the City of Zagreb has confirmed its commitment towards an energy efficient city development. Through active involvement in European initiatives, the City supports and implements appropriate measures in the aim of rational use of energy, achieving energy and financial savings, implementation of energy efficiency measures, renewable energy and environmentally friendly fuels as well as provides help and support to local and regional communities that show interest for the said topics.

The ambitious goal of reducing the greenhouse gas emissions by more than 40% (in comparison with the reference year 1990.) by the year 2030., is only possible through an active inclusion and cooperation of numerous interest groups, economic subjects, educational and scientific institutions, non-governmental organizations and the citizens of as many as possible ecologically conscious cities. The City of Zagreb shall continue to aim at reaching the common EU goals as well as implement the EU policies and the energy-climate frame 2050 that leads to an energy more efficient, low carbon and more competitive market development, attracting new investments and providing a better life for the citizens.

The Zagreb Energy Week plays an important role in achieving these goals and is one of the important factors in the process of the City of Zagreb sustainable urban development. It shows the high level of mutual understanding of numerous partners, as well as inclusion and cooperation of all participants in an effort to present the citizens and all guests of the Zagreb Energy Week with real problems, as well as possible solutions that ensure secure and better future.

Welcome to Zagreb – I wish you a successful and eventful 6. Zagreb energy week 2015.!

Milan Bandić,
Mayor of the City of Zagreb

MONDAY, May 11th, 2015

09,00 – 12,00 Kindergartens: Playroom „Let’s Talk about energy and preserve the environment“

In the playroom „Let’s Talk about Energy and preserve the environment“ the youngest generations will learn about energy, why it is important for all of us and how everybody, even the youngest among us, can contribute to the rational energy use, prevention of global warming and to environment protection. Through playing, discussions, drawing, coloring, creating breadboard models of windmills and other activities all kindergartens in the City of Zagreb area will actively participate in the Zagreb Energy Week program.

Location: Zagreb kindergartens (206 locations)

09,00 – 11,00 Lecture „Basic KNX module“

As part of the project „Modernization of school curricula in vocational schools in accordance with the shifting needs of job/economy market Energy efficiency – KNX module“, conducted by the Electromechanical Vocational school with their partners Technical School of Civil-Engineering, Vocational school Sisak and the City Office for Education, Culture and Sports, educated teachers and lecturers from Zagreb vocational schools will hold lectures on the basic KNX module and energy efficiency for pupils in the City of Zagreb vocational schools. The target group includes third grades of vocational schools and second grades of trade schools.

Location: Electromechanical Vocational school, Cabinet for renewable energy sources, Selska cesta 83, Zagreb

09,00 – 14,00 Zagreb University – Expert forum – „We have the solutions – visions of new generations for green development“

Students of the Faculty of Electrical Engineering and Computing, Faculty of Mechanical Engineering and Naval Architecture, Faculty of Architecture, Faculty of Civil Engineering, Faculty of Forestry, Faculty of Mining, Geology and Petroleum Engineering and Faculty of Traffic and Transport Sciences will present their scientific projects and seminars on the application of new technologies in the field of energy efficiency and renewable energy sources.

Location: Old City Hall - Zagreb, Čirilometodska 5 - Hall A

09,00 – 12,00 Seminar “Efficient and Sustainable Urban Mobility“

City Office for Energy, Environment and Sustainable Development shall organize a seminar as part of the project Ele.C.Tra. National Support Group and the presentation of the CEGC (TEN-T) project.

Location: City of Zagreb Tribina, Kaptol 27, Zagreb

13,00 – 15,00 Seminar „Exchange of experience and best practice“

The association Road Safety shall organize a seminar to present best practices in conducting trainings of Eco driving and use of alternative fuels in public transportation.

Location: City of Zagreb Tribina, Kaptol 27, Zagreb

14,00 - 18,00 Open Door days: Faculty of Electrical Engineering and Computing

The Faculty of Electrical Engineering and Computing shall open its door for visiting groups of pupils, students, expert associations and citizens. The visitors shall be informed on the topics concerning the measurement of energy and water consumption in buildings, the impact of distributed – renewable sources on voltage quality, a round table on the topic of energy efficiency in Croatia as well as allowed to visit some laboratories.

Location: Faculty of Electrical Engineering and Computing, Unska 3, Zagreb

15,00 - 17,00 Presentation of the EURONET 50/50max project

European project EURONET 50/50max is implemented in 10 primary and secondary schools in the city of Zagreb and aims to increase the knowledge about energy use in educational and public buildings, to educate users of schools and public institutions about the need to save energy and fight against climate change as well as reduce CO2 emissions. As part of the project a presentation will be organized about the past activities and implementation of project activities in specific schools.

Location: City of Zagreb Chamber of Trades and Crafts, Ilica 49/1, Zagreb

17,00 - 20,00 Workshop for younger generations - „New ideas in energy“

O.A.ZA. association shall hold a workshop which will encourage new concepts, methods and inventions proposed by the younger generations on the topic of energy. The subject shall include the current problems in the energy sector and interest groups shall be formed in order to develop possible solutions which will later be presented to the public, and encourage the participants to execute the same. Such workshops encourage networking, partnerships and the development of new project ideas.

Location: Location youth club TOČ - Vitezićeva 60, Ljubljana

TUESDAY, May 12th, 2015

08,00 – 16,00 Elementary Schools: Learning through the game “Tell me about Energy“

All first grades of Zagreb elementary schools will hold classes entitled „Tell me about energy“ and the teachers will, by means of a picture book and an educational game, teach the children about the need and manner of saving energy, energy efficiency and renewable energy sources. Furthermore, the elementary school pupils will, through discussions on this topic, express their own ideas, activities, drawings and essays on how they think energy can be rationally used and saved.

Location: Primary schools of the City of Zagreb (114 locations)

09,00 – 15,00 Croatian Chamber of Architects Day: “Development we don’t want to stop, but pollution we can!“

The members of the Croatian Chamber of Architects, will present the modern energy concepts in architecture that concern new construction and reconstruction of energy facilities in terms of economic viability.

Location: Old City Hall - Zagreb, Čirilometodska 5 - Hall A

09,00 – 14,00 Seminar of the Croatian chamber of mechanical engineers and the Croatian chamber of electrical engineers

The members of the Croatian chamber of mechanical engineers and the Croatian chamber of electrical engineers shall present new technologies in the application of conventional and renewable sources of energy.

Location: Old City Hall – Čirilometodska 5, Zagreb – Hall B

09,00 – 16,00 Open days at the Technical Museum

The City of Zagreb Technical museum shall open its door to visits of pupils, students, expert associations and citizens. As part of the open door day, the museum shall present an exhibition and educational centre „Renewable energy sources and energy efficiency“. In cooperation with the partners, the museum shall hold a great number of events - presentations, workshops and lectures - during the entire day in the permanent exhibition space, the theatre and in the area in front of the museum.

Location: Technical Museum, Savska cesta 18, Zagreb

08,30 – 16,00 Consortium Meeting of the project EFFIVET (Transferring European VET Structures to cover skill needs in Energy Efficiency Sector)

Cluster “Inteligentna Energija“ shall hold Consortium Meeting of the project EFFIVET (Transferring European VET Structures to cover skill needs in Energy Efficiency Sector) as part of the Leonardo da Vinci Lifelong Learning Programme. The project aims to develop a VET structure for the energy efficiency sector by the transfer of methods from previous Leonardo initiatives like the SOLTEC and BIOMASS EUVET projects. The meeting is open to general public.

Location: Croatian Chamber of Economy, Zagreb Chamber, Draškovićeva 45, Zagreb

09,00 – 12,00 Presentation of the North-west Croatia Regional Energy Agency EU projects

The North-west Croatia Regional Energy Agency shall hold oa presentation on the european projects in energy efficiency, that are currently conducted.

Location: Zagreb City Tribina, Kaptol 27, Zagreb

14,00 – 17,00 “Energy efficiency in building and RES“

The Chamber of Trades and Crafts and the Association of Craftsmen of the City of Zagreb shall hold, for their members and other interested craftsmen and entrepreneurs, expert presentations concerning new possibilities of development for the crafts and small entrepreneurship sector in the field of energy efficiency and renewable energy sources as well as adaptation of business to new market conditions.

Location: City of Zagreb Chamber of Trades and Crafts, Ilica 49/1, Zagreb

13,00 - 15,00 Presentation - Energy certification and Energy Renovation of Buildings

„Speculum“ shall hold the presentation about the energy certification and energy renovation of buildings which shall include the legislation, implementation of projects (of energy certification, preparation of project documentation to the implementation of energy renewal) as well as financing and co-financing possibilities of such projects.

Location: The City of Zagreb Tribina, Kaptol 27, Zagreb

15,00 - 16,00 Presentation „Capillary investors - a “silent” destroyer of cultural heritage (innovative environmental solutions and non-invasive)“

„KAZ d.o.o.“ shall hold a presentation about the protection of rising damp including the

impact of rising damp in the collapse of different objects (e.g. monuments, churches, hospitals, schools, kindergartens and private facilities). They will also present the method of rehabilitation rising damp with innovative and ecological system, PROsystem, that is based on the theory and application of electro-osmosis and contributes to the large savings in heating costs and renovations.

Location: The City of Zagreb Tribina, Kaptol 27, Zagreb

WEDNESDAY, May 13th, 2015

08,00 – 18,00 Secondary schools: A lesson about Climate and Energy

All City of Zagreb secondary schools will hold a lesson in first grades concerning the need for energy savings, rational use of energy, fight against global warming and adaptation to climate change caused by the actions of man and man’s influence on the use of natural energy sources.

Location: City of Zagreb secondary schools (67 locations)

09,00 – 14,00 International conference „ Joint implementation of the EU energy policy for energy security and sustainable development of urban areas“

Many prominent international lecturers and experts and also the representatives from Croatian ministries and companies will participate at the international conference entitled “Joint implementation of the EU energy policy for energy security and sustainable development of urban areas“. The conference shall present innovative financial solutions in the implementation of energy projects, the challenges in the implementation of energy efficiency measures, institutional and legal framework to achieve the goals of sustainable energy development, efficient and sustainable energy supply and its contribution to energy security and financial mechanisms for the promotion and implementation of energy efficiency.

Location: Old City Hall – Čirilometodska 5, Hall A, Zagreb

15,00-18,00 Croatian Covenant of Mayors Club and Covenant of Mayors Capital Cities of South-East Europe Club – „Sustainability is in our hands“

The meeting of the Covenant of Mayors Clubs will feature presentations and practices on the implementation of the Sustainable Energy Action Plan of Croatian cities and capitals of Southeast Europe, members of the Croatian Covenant of Mayors Club and the Covenant of Mayors Capital Cities of South-East Europe Club.

Location: Old City Hall – Čirilometodska 5, Hall A, Zagreb

09,00 – 16,00 20th Expert Symposium on Green Building “Sustainability and landscape architecture - more than the design!“

Green building committee in Croatia and Croatian Society of Landscape Architects will organize a conference intended for landscape architects, ecologists, architects, engineers, construction and anyone else interested in sustainability in the field of landscape architecture. The main speaker will be Nigel Thorne, a former president of the “International Federation of landscape architect“. He was chosen by the organizers as the holder of this extremely important topic and the conference will provide insight into the definition of Green Infrastructure Planning and designing sustainable landscapes. He will also present the project “The Olympic Park“ as a top British example of green infrastructure and will highlight facts that speak exclusively in favor of sustainable landscape architecture for the future. The application form for the conference is available on www.gbccroatia.org i www.hdka.hr.

Location: Hotel International Zagreb, Miramarska 24, Zagreb

10,00 – 12,00 Presentation “Reduction of CO2 emissions by introducing measures of energy efficiency“

Under the motto „I want security, I think green, I live healthy“ the institution for education of adults - Vox Viva will hold a presentation and roundtable discussion on reducing CO2 emissions by applying the EnU on the basis of proposals from the European Commission to the European Parliament and the Council on the reduction of CO2 emissions by 40% and increase the share of energy from RES by at least 27% of total energy consumption by 2030. How is this to be achieved, who are the participants in achieving the objectives, which are key measures, how to achieve the right balance between costs and benefits, costs increase energy efficiency in relation to imports of fossil fuels ...

Location: Zagreb City Tribina, Kaptol 27, Zagreb

12,00 – 13,30 Presentation „Implementation of the LPG device in diesel engines“

The company „EKO-DIZEL“ shall present a way to implement the LPG device into diesel engines and the remodeling of diesel vehicles to compressed natural gas (CNG). Due to its characteristics and advantages, the LPG is fast becoming one of the leading fuels today. The Liquefied petroleum gas (LPG) pollutes the environment less than the leading alternative fuel today, which makes it a desirable energy source.

Location: City of Zagreb Tribina, Kaptol 27, Zagreb