

September 20
1st Conference day

**10:15 INTRODUCTORY REMARKS : ROLE OF CROATIA IN CONNECTING
REGIONAL ELECTRIC POWER MARKETS**

Role of Croatia in connecting regional electric power markets, *Conference Moderator*
Energy sector – precondition for development of the entire society, *Ministry of Economy*
Encouraging the use of renewable energy sources as the strategic aim of the European Union, *Ministry of Foreign and European Affairs*

10:45 Panel A CROATIAN POTENTIALS AND ENERGY PROSPECTS

Challenges of the National Action Plan (NAP), *Ministry of Economy*

Significance of renewable energy sources for Croatia's getting out of the economic crisis
International cooperation related to use of renewable energy sources
Current situation and prospects of renewable energy sources in the Republic of Croatia
Market aspect of development of renewable energy sources
Reduction of Croatia's dependence on energy exports and investment cycle
Energy potential of the Republic of Croatia – meteorological aspect
Climate projections of energy potentials in the light of expected climate changes
Feasibility of energy reform for initiating cooperation between economy and university

Panel participants: Ministry of Economy, KONČAR dd, EIHP - Energy Institute Hrvoje Požar, CEI – Center for Monitoring Business Activities in the Energy Sector and Investments, HROTE – Croatian Energy Market Operator, HGK – Croatian Chamber of Economy, DHMZ – Meteorological and Hydrological Service and FSB – Faculty of Mechanical Engineer and Naval Architecture, University of Zagreb

12:15 *Coffee break*

12:30 Panel B Part ONE ENERGY EFFICIENCY AND PROVIDING ENERGY SERVICES

Energy efficiency: Strategic goals in the Republic of Croatia, *Ministry of Construction and Physical Planning*

Application of energy efficiency measures in the public sector
Energy efficiency in buildings
Croatian energy efficiency strategy – present achievements and future improvements
Methodology of systematic energy management
Projects in public institutions

ISEMIC - Intelligent information system for monitoring and verification of energy management in cities

Project for enhancing efficiency of cement plants

Case Study: Energy Plus

Panel participants: Ministry of Construction and Physical Planning, EIHP, HUEC – Croatian Association of Energy Certifiers, HEP ESCO, UNDP Croatia, FER – Faculty of Electrical Engineering and Computing, University of Zagreb, DOOR – Society for Sustainable Development and Green Building Council of Croatia

14:00 *Lunch*

15:00 Panel B Part TWO USE OF RENEWABLE ENERGY SOURCES IN BUILDINGS AND ENERGY EFFICIENT CONSTRUCTION

Nearly zero energy building, *Ministry of Construction and Physical Planning*

Renewable energy sources in buildings

Nearly zero energy building, low-energy and passive construction

Energy efficient construction

Energy efficient materials and building products

Smart housing

Smart metering

Case Study: Smart metering

Panel participants: Ministry of Construction and Physical Planning, EIHP, Faculty of Architecture, University of Zagreb, Faculty of Civil Engineering, University of Zagreb, HEP ODS, HES ESCO, FER and FSB

16:00 Regional Introduction to Panel C PRESENTATION OF POLISH PRODUCERS IN THE FIELD OF RENEWABLE ENERGY SOURCES

16:30 Panel C PROJECTS AND INVESTMENTS INTO RENEWABLE ENERGY SOURCES – CROATIA AND THE REGION

Investments into renewable energy sources and use of EU funds, *Environmental Protection and Energy Efficiency Fund*

Project development and risk assessment

Financing of renewable energy sources with funds of the Republic of Croatia

Construction of plants based on renewable energy sources in Croatia

Energy and material use of renewable energy sources

Convent of Mayors

Case Study: Use of renewable energy sources in Szentlőrinc, Hungary

Panel participants: Environmental Protection and Energy Efficiency Fund , Ministry of Environmental and Nature Protection, HBOR – Croatian Bank for Reconstruction and Development, HGK, HEP OIE, HKIS – Croatian Chamber of Mechanical Engineers, City Office Energetics, Environment Protection and Sustainable Development, REGEA – North – West Croatia Regional Energy Agency and City of Szentlőrinc, Hungary

Conclusion of the first day of the Conference at 18:00

10:15 Panel D BIOMASS AND BIOGAS – HOLDERS OF LOCAL DEVELOPMENT

Biomass and Biogas – holders of local development, *Ministry of Agriculture*

Good practice examples from agriculture
Hot water systems with biomass boilers for heating and preparation of consumable water – potentials of Croatian producers
Biomass drying products
Biomass heating plants in Croatia
Cogeneration biomass plant
Harvesting of forest biomass: chipping and sales of wood chips
Case Study: Cogeneration Udbina

Panel participants: Ministry of Agriculture, Forest Biomass d.o.o. Hrvatske šume d.o.o., Croatian Association for Development, FSB, Đuro Đaković Holding d.o.o. and Lika Energo Eko d.o.o.

11:45 *Coffee break*

12:00 Panel E GEOTHERMAL ENERGY

Research and use of geothermal energy in the Republic of Croatia, *Faculty of Mining, Geology and Petroleum Engineering, University of Zagreb*

Geothermal Energy and Mineral Water deep aquifer
Pannonian sedimentary pool
Technology and economics of research and use
Legislation in Croatia
Geothermal drilling project
Project GT power plant Velika Ciglana
Project SMART
Case Study: Project Varaždin Spa

Panel participants: RGN – Faculty of Mining, Geology and Petroleum Engineering, University of Zagreb, Ministry of Economy, HRVATSKE VODE Legal entity for water management, INA d.d., FSB, HEP OIE, Varaždin Spa

13:30 *Lunch*

14:30

Panel F

SOLAR ENERGY

Status and prospects of using solar energy in the RC, *Croatian Association for Solar Energy*

Fitting in of photovoltaic cells – Statute

Photovoltaic systems – scheme and procedure

Croatian project: Solar roof Špansko

„I can have solar panels! - To encourage installation of solar collectors: Experiences and results“

Case Study: Solar power Petrokov

Quality assurance in solar thermal: the Solar Keymark success story

Panel participants: HSUSE – Croatian Association for Solar Energy, HROTE, HEP ODS, HGK, REGEA, Petrokov and ESTIF

16:00

Panel G

WIND ENERGY

Wind power plant management strategy, *Center for Monitoring Business Activities in the Energy Sector and Investments*

Experience: Operational wind power plants

Current moment of wind energy in the Republic of Croatia – Experience and possibilities of Croatian industry

Energy of balance

Barriers for connecting wind power plants to power system

Integration of wind power plants into Croatian power system

Assessment of wind power plant effects on the environment

Case Study: Project VE Vrataruša

Panel participants: CEI, HROTE, HEP OPS, KONČAR d.d., FER, HRO CIGRE, FSB, EIHP, Brodarski institute

17:30

CONFERENCE CONCLUSIONS

Closing Remarks Conference Moderator, Davor Buković (Privredni vjesnik)

Completion of the Conference at 18:00



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Zagrebački
Velesajam 