



**INTERNATIONAL FORUM FOR
CLEAN ENERGY TECHNOLOGIES**

IX INTERNATIONAL FORUM FOR CLEAN ENERGY TECHNOLOGIES
SERBIAN ENERGY HORIZON 2020



Novi Sad, 29th – 30th September 2015

**FIRST INFORMATION ABOUT THE EVENT
AND
INVITATION OF PARTICIPANTS**

Ladies and gentlemen and dear friends,

Reaching the strategic horizon of anticipated development of the European Union (EU) until 2020 is in the final stage of implementation. Preset objectives in the most important segments for raising the quality of life of citizens and ensuring continuous sustainable progressive development of the European society do not have alternatives any more. The degree of individual and collective understanding of absolute need that overcoming of current challenges in the future and sustainable human development can be achieved only by deep systemic, normative and technological changes has reached the level of generally accepted standards and their application in the large family of European nations has already ensured exceptional results.

The Republic of Serbia as a country in the process of EU accession has very clearly defined processes that should enable full compatibility with future European partners. The legal framework of the Energy Community of which the Republic of Serbia is a member encompasses electricity, gas, renewable energy sources, energy efficiency, oil, environmental protection, competition and statistics. By implementing the provisions of the Energy Community's legal framework, we are creating stable and harmonized regulatory framework and market space.

This year's determination of the Program Committee of the International Forum on Clean Energy Technologies (Forum) to focus the SEE Countries and the Republic of Serbia on concrete and plastic identification of expected sustainable energy development and up to now achieved starting points on the way towards preset objectives for 2020 seems to be a logical priority. With this aim in particular, and as a symbol of adopted national need to constantly compare what has been achieved with what has been planned, this year's Forum - ninth in a turn to be held in Novi Sad from 29th to 30th September 2015 under the auspices of the Assembly of the Autonomous Province of Vojvodina, will be called "SERBIAN ENERGY HORIZON 2020".

It is our common vision that the 2015 Forum "SERBIAN ENERGY HORIZON 2020" and the credibility of presented concepts, technological solutions and scientific works will encourage the use of available potentials in these regions and stimulate further cooperation and development of the energy sector in the SEE Countries. The last year's Forum called Energy Charter tried to initiate general and comprehensive action in vertical and horizontal linking of stakeholders in the field of energy efficiency in local self-governments. However, all activities undertaken in the period after the 2014 Forum only show our insufficient institutional and organizational readiness for such an attempt. Therefore, this year's Forum should be seen as the continuation of efforts to reach planned objectives within a reasonable period of time. This year's program topics should provide answers for challenges in applying clean energy technologies under current circumstances by means of presenting successful and already applied solutions, international partnerships and by seeking the most favorable way to finance initiated projects and to create new ones in the energy sector.

We should be worried because of the regional and national passivity in the use of funds from the European mega project "Horizon 2020" and try to initiate additional cooperation among countries and provide necessary expertise and operational assistance to local self-governments. At the same time, the 2015 Forum is planning to consider the development in the area of energy efficiency and the use of renewable energy sources as a social and technological priority. The Republic of Serbia, according to many indicators, still considerably lags behind with reference to the creation of its own energy efficiency policy that will be able to ensure the country's realistic and sustainable development in the future that has been successfully achieved in EU countries today. This requires much better organization of governance, effective energy management and efforts to change the behavior of energy users and to adopt imperatives of permanent energy saving.

The first day of the Forum will be devoted to discussions and actualization of achieved results in relation to the existing strategic basis of the energy policy and sustainable development of the Republic of Serbia, as well as to considerations of experiences of countries in the region and in the EU and the presentation of papers by invitation. The Program Committee will directly contact authors and select topics that will be proposed for presentation and publication in scientific journals and at scientific portals. In all working sessions, panel discussions will be opened after presentations. These discussions should provide clear messages in final joint conclusions for possible more dynamic sustainable development of the energy sector in Serbia and in the region of Southeast Europe until 2020. The second day of the Forum, with the co-auspice of the Vojvodina Chamber of Commerce, will be particularly focused on the consideration of realized business projects in the country and abroad, as well as to B2B meetings with potential partners. Also, during the second day, a panel will be opened relevant to the important topic "Oil in the Energy Mix after 2020" with the support of the National Petroleum Committee of Serbia - World Petroleum Council.

We take this opportunity to invite you to participate in this year's IX Forum "SERBIAN ENERGY HORIZON 2020" and to give your contribution in creating the vision of energy future, business projects and strengthening mutual relations and energy security of the Republic of Serbia and the SEE Countries.

Respectfully your,

Tihomir Simić, PhD
Chairman of the Forum

Ivo Vajgl
Co-Chairman of the Forum

June 2015



FORUM IS SUPPORTED BY



Republic of Serbia
Autonomous Province of Vojvodina
Assembly of Autonomous Province of Vojvodina



CHAMBER OF ECONOMY OF VOJVODINA



National Petroleum Committee of Serbia - World Petroleum Council



SOCIETY OF THERMAL ENGINEERS OF SERBIA

FORUM IS ORGANIZED BY



INEA
INSTITUTE FOR EUROPEAN AFFAIRS



Faculty of Technical Sciences
Novi Sad

FORUM PROGRAM COMMITTEE

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Ivo Vajgl	Co-Chairman of the Forum, INEA – Institute for European Affairs, Dusseldorf, Germany
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Professor Dušan Nikolić, PhD	University of Novi Sad, Novi Sad, Serbia
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Professor Slobodan Sokolović, PhD	National Petroleum Committee of Serbia, Belgrade, Serbia
Professor Milan Radovanović, PhD	Society of Thermal Engineers of Serbia, Belgrade, Serbia
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Professor Vojin Grković, PhD	Faculty of Technical Sciences, Novi Sad, Serbia

FORUM ORGANIZING COMMITTEE

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2014 FORUM POOL



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2014 FORUM MEDIA PARTNERS



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ТЕЛЕВИЗИЈА
ВОЈВОДИНЕ

EKOlist



Preliminary Program
First Day (Tuesday, 29th September 2015)
Central Hall, Assembly of the Autonomous Province of Vojvodina, Vladike Platona bb, 21000 Novi Sad

Invited Lecturers and Thematic Discussions per Sessions

PLENARY SESSION – ENERGY SECURITY A PRECONDITION FOR SUSTAINABLE DEVELOPMENT

8:30 – 9:30	Registration of participants
9:30 – 10:30	Welcome speeches of high officials of the Serbian Government and republic institutions, high officials of the Province of Vojvodina, President of the Chamber of Commerce and Industry of Serbia, Ministers of countries in the region of the Southeast Europe, Ambassadors and Heads of International Missions accredited in the Republic of Serbia <ul style="list-style-type: none"> ▪ Serbian Energy Horizon 2020 ▪ Energy Prospects of the SEE Countries Ceremonial Opening of the Forum

FIRST WORKING SESSION – SERBIAN ENERGY HORIZON 2020

11:00 – 14:00	Presentations of representatives from EU Institutions, Energy Community, AERS, Ministry of Mining and Energy of the Republic of Serbia and representatives of companies that take part in energy development of the Republic of Serbia and SEE Countries <ul style="list-style-type: none"> ▪ Energy developments in EU Countries ▪ Retrospective of successfully Implemented priorities in the Serbian Energy Sector in the last three years ▪ Vision and prospects of further sustainable energy development of the Republic of Serbia ▪ Considerations of real needs of local self-governments for applying energy efficiency measures in the function of sustainable development Panel Discussion
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SECOND WORKING SESSION – NEW ENERGY TECHNOLOGIES

14:15 – 17:00	Presentations of representatives of the Energy Community, representatives of the Smart Grid development, European Technological Platform, representatives of local self-governments and companies operating at the territory of the Republic of Serbia and SEE Countries <ul style="list-style-type: none"> ▪ Efficient use of natural resources and successful regional concepts of energy development ▪ Clean energy technologies, energy efficiency and smart grids ▪ Vision of the Smart Grid concept of development and the use of clean energy technologies at the territory of the Republic of Serbia and SEE Countries ▪ Successful examples of the use of new energy technologies Panel Discussion
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Second Day (Wednesday, 30th September 2015)

Main Hall, Chamber of Economy of Vojvodina, 11, Hajduk Veljkova Street, 21000 Novi Sad

THIRD WORKING SESSION

Projects implemented in the fields of energy efficiency, renewable energy sources and energy management

9:00 – 11:00	Welcome speeches of the President of the Chamber of Economy of Vojvodina, State Officials and the Chairman of the Forum <p>A. Professional and expert papers in the field of clean energy technologies and energy efficiency Solar heat energy – Photovoltaic solar technologies – Bio-energy – Wind energy – Waste energy – Other renewable energy sources – Hybrid renewable energy systems</p> <p>B. Energy efficiency and energy conversion Measure for energy efficiency increase – Energy efficiency in buildings – Energy efficiency in industry and public sector – Energy efficiency in transport – Energy efficiency regulations and standards</p> <p>C. New energy materials and energy storage Nanostructure in energy – Fuel cells materials – Materials in renewable energy technologies – High temperature process materials – Hydrogen storages – Electrochemical energy storages: batteries and super-capacitors – Solar cells materials</p> <p>D. Energy process modeling and simulation Energy optimization – Energy forecasts – Energy simulation models – Unreliability and risk assessment</p> <p>E. Energy management, policies and economics Analysis of energy supply and consumption – Energy security issues – Service lifetime of energy projects – Legal framework and energy policy – Dynamics of energy market – Capacity building and raising awareness</p> <p>F. Energy and environmental protection Energy projects environmental impact assessment – Estimates of energy projects emission effects – Analysis of energy sustainability – Carbon trade – Storage of carbon dioxide from combustion products – Waste disposal and energy plants closing</p> <p>G. Development of energy technologies Smart grids – Fuel cells and hydrogen energy – Micro and Nano technologies – Heat pumps and heat pipes – Electrical vehicles – Micro grids – Combined cycles and cogeneration plants – Clean technologies of coal energy – Artificial photosynthesis – Developing other energy technologies</p>
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FOURTH WORKING SESSION
PRESENTATION OF THE PACKAGE: TURNKEY SYSTEM
MUNICIPAL HEATING BIOMASS SYSTEMS - Substitution of fossil fuels with biomass, agro or wood origin
ELNOS GROUP

11:00 – 13:00 **Biomass logistics** – IEE GROUP
Design – IEE GROUP
Construction – IEE GROUP
Commissioning – IEE GROUP
Financing – BANCA INTESA and KOMERCIJALNA BANKA, EBRD Loans
Grant – WEBSEFF – up to 15% of loan amount through the EBRD
Discussion

FIFTH WORKING SESSION
PETROLEUM IN THE ENERGY MIX AFTER 2020

National Petroleum Committee of Serbia – World Petroleum Council

13:00 – 14:30 **This Session is organized and chaired by representatives of the National Petroleum Committee of Serbia – World Petroleum Council**

CONCLUSIONS AND RECOMMENDATIONS OF
IX INTERNATIONAL FORUM ON CLEAN ENERGY TECHNOLOGIES

14:30 – 14:45 **Proposal of Conclusions of the IX Forum and ceremonial closing of the event**

IMPORTANT DATES AND DEADLINES

PAPER SUBMISSION

In addition to the title of the paper, the application should also contain the summary of the paper (about 200 words) and information about the author (name and surname, position, name and address of the institution, telephone and email). Papers should be submitted by 5th August 2015.

PAPER ACCEPTANCE

Authors will be notified about the acceptance of their papers by 31st August 2015 and instructions for manuscripts will be timely published on the Forum's website.

FINAL VERSION

Manuscripts should be delivered by 15th September 2015. The paper should not exceed fifteen A4 format pages written in MS Word format.

Notice: The second information will be available by 31st August 2015

LANGUAGES OF THE FORUM

Official languages of the Forum are Serbian and English. All oral presentations will be simultaneously interpreted in both languages. The Collection of Paper Abstracts will be published in both languages. All papers will be available at the Forum website.

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