

International Congress
“DAYS OF CLEAN ENERGY IN ST. PETERSBURG”
Russia, St. Petersburg, hotel “Park Inn Pribaltiyskaya”
April 15-16, 2010

within the frames of Northwest Russia Renewable Energy Forum

PROGRAM

Organizers:



RES Committee

General partner:



BRITISH CONSULATE - GENERAL
ST PETERSBURG

Official partner:



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RUSSIAN ASSOCIATION
of WIND POWER INDUSTRY



PROGRAM
of the International Congress
«DAYS OF CLEAN ENERGY IN ST. PETERSBURG»

Saint Petersburg, Hotel «Park Inn Pribaltiyskaya»
April 15th-16th, 2010

April 15th, 2010

09.00 – 10.00 Participant Registration

PLENARY SESSION
(Conference-hall GREEN 9)

**10.00 – 10.20 On the Development of Regulations Aimed at Implementing Federal Law
№ 261-FL “On Energy-Saving”**

Leontiev, Georgy Karpeevich, Chair-man of Subcommittee for Small Energy of the
Committee for Energy of the State Duma of the Russian Federation *

10.20 – 10.40 The Role of Renewables in the UK's Low Carbon Transition

Mr. Chris Dain, First Secretary, Climate Security section, British Embassy Moscow

10.40 – 10.50 Project “The Development of Renewable Energy in Northwestern Russia”

Nikitin, Aleksandr Konstantinovich, Chairman of the Board of Environmental Rights
Centre “Bellona”

10.50 – 11.10 On the Necessity and Pace of the Development of Renewable Energy in Russia

Bezrukikh, Pavel Pavlovich, Deputy Director General of the Institute of Energy Strategy,
Chair-man of the Committee on Problems of Using Renewable Energy Sources of
RosSNIO, Ph.D

**11.10 – 11.30 Effectiveness of Complex Use of Renewable Energy Sources in the Regional Energy
Complexes**

Elistratov, Victor Vasilievich, Head of Department “Renewable Energy Sources and
Hydroenergy” of St. Petersburg State Polytechnical University, Chair-man of Research
Council for Renewable Energy Sources of St. Petersburg Scientific Centre of Russian
Academy of Science, Ph.D.

11.30 – 11.50 *Coffee-break*

11.50 – 12.10 Alternative Energy Scenario of Greenpeace for the Russian Federation

Tchouprov, Vladimir Alexeevich, coordinator of energy department of Greenpeace
Russia

12.10 – 12.30 Resources, tendencies of development and current state of bionergy in Russia

Rakitova, Olga Sergeevna, Executive Director of the National Bio-Energy Union, Editor-
in-Chief of the “Bioenergy International” Magazine, Ph.D

**12.30 – 12.50 Innovational Conspectus for Solving the Problems of Modern Energy. A Necessary
Legislative Base for the Implementation of Projects for New Energy. Chances for
the Integration of Russian Industry in the Global System of Production of RES
Components**

Günter Benik, President of Energieteam AG

12.50 – 13.10	Prospective Technologies for Using RES in Centralized and Autonomous Energy Popel, Oleg Sergeevich, Ph.D, Head of Laboratory of the United Institute for High Temperatures at the Russian Academy of Sciences
13.10 – 13.30	Modulated Conspectus for Renewable Energy Projects Melnik, Ilya, Ph.D, PBI Research Institute (Finland)
13.30 – 13.50	A Comparative Analysis of the Russian and European Support Schemes for Renewable Energy Anatole Boute, Groningen Centre of Energy Law (Netherlands)
13.50 – 14.20	<i>Coffee-break</i>
<u>ROUND TABLE</u> <u>"Legislative Regulation of Renewable Energy in Russia and Investment"</u> (Conference-hall GREEN 9)	
14.20 – 14.30	Opening words
14.30 – 14.50	Legal Guarantees for the Development of RES in the Russian Federation Ponkratye, Pavel Aleksandrovich, Director of the Department of Renewable Energy Sources of JSC "RusHydro"
14.50 – 15.10	The main obstacles in fulfillment of energyefficient projects in small-scale and renewable energy Markin, Vladimir Vladimirovich, Vice-President of North-West Energy Union, CEO of Group of companies SU-25, Ph.D
15.10 – 15.30	Problems of energyefficiency increase of enterprises according to the Federal Law №261-FL "On Energy-Saving" Dzektser, Naum Naumovich, Director General of Systems of Energyecological Safety LLC
15.30 – 15.50	Specifics of the Application of Power Plants Using Renewable Sources of Energy to the Power Grid Tyrlov, Georgy Vasilievich, Deputy Director General, Chief Engineer, JSC "Inter-Regional Distribution Company Northwest"
15.50 – 16.10	<i>Coffee-break</i>
16.10 – 16.30	The Development of Regional Programs of Energy Effectiveness Taking into Account the Possibility of Using Local and Renewable Energy Sources Grishina, Vera Leonidovna, Director of the Northwestern Branch-Office of the Agency for Forecasting the Balance of Electricity, Ph.D
16.30 – 16.50	A Regional Program of Using Renewable Energy Sources in the Murmansk Region Minin, Valery Andreevich, Deputy Director for Scientific Work at the Center of Physical-Technical Problems of Energy of the North, Kola Scientific Center of the Russian Academy of Sciences, Ph.D
16.50 – 17.10	About fulfillment of the Federal Law №261-FL "On Energy-Saving" in Saint-Petersburg Tarasov, Anatoly Vladimirovich, Head of Department for Prospective Development of Communal Complex of the Committee for Energy and Maintanance Engineering of Saint-Petersburg

- 17.10 – 17.30 The View of an Investor in Innovations in Energy Sector**
Veselova, Irina Borisovna, President of Investment Group “Planet Capital”
- 17.30 – 17.50 Financing of Renewable Energy – Experience and Preconditions**
Amund Beitnes, investment manager NEFCO
- 17.50 – 18.00 Final Duscussion. Conclusion**

April 16th, 2010

- 09.30 – 10.00 Guest and Participant Registration**

Session on “Bio-Energy – From Waste to a Profitable Energy Resource”
(Conference-hall GREEN 7+6)

Moderator – Rakitova, Olga Sergeevna, Executive Director of the National Bioenergy Union, Editor-in-Chief of the “Bioenergy International” Magazine, Ph.D

- 10.00 – 10.20 Conception of Project for Use of Low Quality Wood and Woodworking Wastes in the Biofuel Production**
Trubin, Yuri Germanovich, Deputy Minister of Natural Resources and Woodworking Complex of Arkhangelsk region
- 10.20 – 10.40 Technologies in the Utilization of Waste and Legislation in this Sphere**
Bobrovsky, Petr Igorevich, National Packing Union
- 10.40 – 11.00 Use of Lumbering Wastes for Wooden Fuel Production**
Kholodkov, Vladimir Sergeevich, Head of NPO “Russia-Swedish Informational and Training Centre of Bioenergy (Biocentre), Head of Department for Complex Use of Forest Resources of Saint-Petersburg Forestry Scientific and Research Institute, Ph. D.
- 11.00 – 11.20 Development of Wood-pellets Market in Russia, Europe and World: Tendencies and Problems**
Rakitova, Olga Sergeevna, Executive Director of the National Bioenergy Union, Editor-in-Chief of the “Bioenergy International” Magazine, Ph.D

Section. Biofuel Equipmnet

- 11.20 – 11.40 Different Types of Wastes Recycling Peculiarities**
Krylov, Vladimir Alexeevich, Director General of Poli-Nom LLC
- 11.40 – 12.00 Coffee-break**
- 12.00 – 12.20 Key Problems of Designing and Construction of Bioenergy Complexes in the Russian Federation**
Rakov, Sergey Vitalievich, scientist at Saint-Petersburg Forestry Scientific and Research Institute, chief project engineer
- 12.20 – 12.40 Experience of Complex Designing of Pellet Plants**
Verveychik, Yury Vasilievich, Director General of CJSC “SEC Ecodrevprom”
- 12.40 – 13.00 Peculiarities of Choose of Bioenergy Equipment in Russia**
Pechnikov, Sergey Alexandrovich, Engineer of Portal-Engineering LLC

Section. Trade of Biofuel

- 13.00 – 13.20 Pellets World Trade**
Stanulevich, Alexei Alexandrovich, Head of EnGran LLC
- 13.20 – 13.40 Trade in Bio-Fuel in Europe: A New European Standard, Specificity of Work**
Emelina Zhanna, Director for Development in the Eastern Europe at EKO Holz und Pellets GmbH
- 13.40 – 14.00 The Logistics of Bio-Fuel in Russia**
Kuchinsky, Vladimir Ilych, Director of the Russian Bio-Fuel Association
- 14.00 – 14.20 Coffee-break**

Section. Briquettes

- 14.20 – 14.40 Fuel Bricks from Plant Materials. Technology, Ways of Use**
Avsholis, Vladimir Igorevich, Director for Development at Pinibriket LLC
- 14.40 – 15.00 Wooden Wastes Briquetting**
Alexandrova, Svetlana Evgenievna, Saint-Petersburg State Forest-Technical Academy, Forwood-Technology LLC

Section. Municipal Furnaces and Heat Stations on Bio-Fuel

- 15.00 – 15.20 Experiences in Preparing and Structuring Investment Projects in the Reconstruction of Municipal Furnaces to Work on Bio-Fuel**
Dyachenko, Andrey Sergeevich, Director of the Russian Representative Office VEKST Foundation, Ph.D
- 15.20 – 15.40 Biolers and Boiler Installations by HERZ Energietechnik GmbH**
Bryansky, Andrey Romanovich, HERZ Engineering systems LLC
- 15.40 – 16.00 Heat Power Stations on Wood Gas**
Safyanov, Sergey, Director General of CPMC LLC, Ph.D
- 16.00 – 16.20 Coffee-break**

Section. Fulfillment of Kioto Protocol Mechanisms in the Area of Bio-Fuel

- 16.20 – 16.40 Carbonic Financing and Bio-Fuel: from the National Policy to Practical Projects**
Safonov, Georgy Vladimirovich, Head of Center for Environmental and Natural Resources Economy, State University – Higher School of Economics, Ph.D
- 16.40 – 17.00 Bioenergy as an End and as a Mean**
Sendetskiy, Vladimir Fyodorovich, expert of UNIDO

Section. Liquid Bio-Fuel

- 17.00 – 17.20 Development of Industrial Nanotechnology: “Production of Alternative Liquid Bioorganic Fuel and Bioenergy out of Organic Wastes of Poultry and Animal Husbandry”**
Ostrovsky, Mikhail Vladimirovich, Chair-man of German-Russian Institute for Biomagnetic Cybernetics and Nanotechnologies

Session on “Wind Energy. The Potential of Northwestern Russia”
(Conference-hall GREEN 8)

Moderator – Elistratov, Viktor Vasilievich, Head of Department “Renewable Energy Sources and Hydroenergy” of St. Petersburg State Polytechnical University, Chair-man of Research Council for Renewable Energy Sources of St. Petersburg Scientific Centre of Russian Academy of Science, Ph.D.

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| 10.00 – 10.10 | Opening words |
| 10.10 – 10.20 | Prospects of Use of Wind Energy for Heat Supply of Decentralized Consumers of the North
Minin, Valery Andreevich, Vice-Director for Scientific Work at the Center of Physical-Technical Problems of Energy of the North, Kola Scientific Center of the Russian Academy of Sciences, Ph.D |
| 10.20 – 10.30 | An Evaluation of the Effectiveness of Large-Scale Energy in Russia Taking into Account Tendencies in Developing the Market for Combustible Energy Resources
Nikolaev, Vladimir Gennadyevich, Director General of the Scientific Informational Center “Atmograf” |
| 10.30 – 10.40 | Windenergy Projects in Russia. Practice of Launching and Fulfillment
Bryzgunov, Igor Mikhailovich, Director General of the NPO “Elektrosfera,” President of the Russian Wind Energy Association |
| 10.40 – 10.50 | Experiences in the Kaliningrad Region in the Sphere of Developing Wind Energy in Russia
Zatoplyayev, Boris Semenovich, Honoured Power Engineer of Russia and the CIS, Ph.D |
| 10.50 – 11.00 | Russian Wind Energy Complexes Guaranteeing Small Electricity Output
Gribkov, Sergey Vladimirovich, Director of SIC “VINDEK,” Ph.D, Member-correspondent of RIA |
| 11.00 – 11.10 | Practical Experience of Maintenance of Wind-Turbine in Murmansk Region
Kiselev, Vladimir Alekseevich, Director General of JSC “Vetroenergo” |
| 11.10 – 11.20 | Substantiation of Effective Performance of Wind-Energy Plants in Russian Conditions
Panfilov, Alexandr Alexeevich, Assistant Professor at SPbSTU, Ph.D |
| 11.20 – 11.30 | Defining the Technical Wind Energy Potential Taking into Account Calms and Lulls in Energy
Minina, Alena Andreevna, Graduate Student at SPbSTU |
| 11.30 – 11.40 | Decentralized Energy Supply. Mobile Energy Container
Waldemar Renner, Executive Director of Energieteam RUMO GmbH |
| 11.40 – 12.00 | Coffee-break |

Session on “Hydroenergy – Small-Scale Hydroelectric Plants and Tidal Power Plants”
(Conference-hall GREEN 8)

Moderator - Blyashko, Yakov Iosifovich, Director General of “Interdisciplinary Scientific Association “INSET,” Ph.D

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| 12.00 – 12.15 | Small-Scale Hydroenergy – Development in Russia
Blyashko, Yakov Iosifovich, Director General of “Interdisciplinary Scientific Association “INSET,” Ph.D |
| 12.15 – 12.30 | On the Necessity and Possibilities in the Development of Small-Scale Hydroenergy in the Leningrad Region
Myakov, Sergey Borisovich, Head of Committee for Energy Complex and Housing by the Administration of the Leningrad Region |
| 12.30 – 12.45 | On the Development of Small-Scale Hydroenergy in the North-West of Russia
Belov, Valery Vladimirovich, Deputy Director General – Director of Branch “Karelsky” of JSC “TGK-1” |
| 12.45 – 13.00 | Development of Small Hydro Energy in Norway
Olafsson, Nina, Hydropower Enrgineer of Norconsult AS |
| 13.00 – 13.15 | Vertical Hydroaggregates for Small-Scale Hydroelectric Plants
Tretiakov, Victor Stanislavovich, Deputy Director of Department for Desing of Generators, JSC “Siloviye Mashiny” branch “Electrosila” |
| 13.15 – 13.30 | Role of a Small-Scale Hydro Energy in the Development of Municipalities
Nikolaenko, Yuri Ivanovich, Director General of NPO “RAND”, Ph.D |
| 13.30 - 13.45 | Small-Hydroaccumulating Plants
Makarov, Valery Vasilievich, NPO “RAND” |
| 13.45 – 14.00 | Experiences in Developing Tidal Power Plants in Northwestern Russia
Savchenko, Stepan Nikolaevich, Diretor General of JSC “The Small-Scale Mezen Tidal Power Plant” |
| 14.00 – 14.20 | Coffee-break |
| 14.20 – 14.35 | Work Experience in the Field of Tidal Energy by JSC “Production Enterprise “Sevmash”
Sivkov, Alexander Albertovich, Leading Development Engineer of Planning and Design Office of JSC “Production Enterprise “Sevmash” |
| 14.35 – 14.50 | New Technological Developments of the Company TideTec AS in the Field of Tidal Power
John Brungot, Member of the Board of TideTec AS |
| 14.50 – 14.55 | Break |

Session on “Energy-Saving. Geothermal Energy. Solar Energy. Complex Systems of Energy on the Basis of RES”
(Conference-hall GREEN 8)

Moderator - Markin, Vladimir Vladimirovich, Vice-President of North-West Energy Union, CEO of Group of companies SU-25, Ph.D

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| 14.55 – 15.00 | Opening words |
| 15.00 – 15.15 | Energy Effectiveness and Energy-Saving in Buildings and Structures with the Use of RES
Bykov, Egor Nikolaevich, Director of the Scientific Center for RES, SPbSTU, Ph.D |
| 15.15 – 15.30 | Analyses of Use of Renewable Energy Sources in the North-West Region of Russia and Complex Systems of Energy Saving on the Basis of RES
Salov, Vladislav Zakharovich, Representative of the Scientific-Technical Council for “SevZap STC,” Director of Expertise in Industrial Safety at Power Plants |
| 15.30 – 15.45 | Evaluation of Renewable Energy Sources of Karelia Republic and Prospects for their Development
Sirodenko, Gennady Ivanovich, Ph.D, Professor at SPbSTU, Department “Renewable Energy Sources and Hydroenergy” |
| 15.45 – 16.00 | Experiences in the Arkhangelsk Region in the Sphere of Increasing Energy Effectiveness
Eremeev, Vadim Flegontovich, Director of the Arkhangelsk Regional Center of Energy Efficiency |
| 16.00 – 16.15 | Coffee-break |
| 16.15 – 16.30 | About Potential of Renewable Energy in Sverdlovsk Region and Stages of Its Development
Sheklein, Sergei Evgenievich, professor of Ural Federal University, Honoured Power Engineer, Ph.D. |
| 16.30 – 16.45 | Experience of Sverdlovsk Region in the Field of Complex Use of Renewable Energy Sources in a Multiple Dwelling
Velkin, Vladimir Ivanovich, Ural Federal University, Technikal Director of “Energyefficient House” Project, Ph.D. |
| 16.45 – 17.00 | Advanced Ultra-Economical Systems of Heating
Rumyantsev, Vyacheslav Anatolievich, Director General of LLC “NPK-Effect” |
| 17.00 – 17.15 | Energy-Effective Systems of Heating Using RES and Thermal Compressors
Prunenkov, Kirill Pavlovich, Head Engineer at LLC “Alians-Neva” |
| 17.15 – 17.30 | An Evaluation of the Operational Characteristics of Solar Panels in Real Weather Conditions
Aronova, Ekaterina Sergeevna, Engineer at FTI named for A.F. Ioffe |
| 17.30 - 17.45 | Geothermal Energy. Potential and Prospects for Development
Vainer, Alexander Isaevich, Director General of JSC “Burgasgeotherm” |
| <u>17.45 – 18.15</u> | <u>Concluding Plenary Session</u>
(Conference-hall GREEN 8) |

There is a possibility of amendments and changes to the program