

EXPERT MEETING

«Roadmaps on Development and Market Introduction of Technologies for Renewables: Situation in Russia and the World»

Date: 21 June 2011

Time: 10.00 – 16.45

Location: Moscow, Kransnopresnenskaya Naberezhnaya, 12

International Trade Centre, Angara Hall, Entrance 7

Hosted by JSC «INTER RAO EUS»

PROGRAMME

09.30 – 10.00	Registration
10.00 – 10.15	Opening Remarks Sharov Yury Vladimirovich, Deputy Chairman of Board of Directors, Centre for Engineering and Construction, OAO «InterRAO EES» Ulrich Benterbusch, Director of Global Energy Dialogue, International Energy Agency
10.15-10.35	Strategic goals in the field of development of renewable energy in Russia: state policies and regulations E.Grinkevich, Ministry of Energy of the Russian Federation
10.35-10.55	The Role of renewables in scenarios of the International Energy Agency Paolo Frankl, Head, Renewable Energy Department, IEA
	Session 1: World Experience in Development of Wind Energy: Achievements and Outlook; Challenges and Outlook for Development of Wind Energy in Russia.
	<i>Questions for discussion:</i> - Situation and outlook for global development of wind energy; - The most effective measures to stimulate the development of wind energy; - Economic characteristics of modern and potential wind energy power plants (on and offshore), structure of investment and operating costs; - Technical achievements in the field of wind energy (on and offshore); - Influence of wind power plants on the electricity system; - Experience in integrating wind power generators for electricity supply for autonomous consumers; co-ordination of generation regimes and consumption; - Environmental effects of the wind energy plants
10.55 – 11.15	The Most Effective Measures to Stimulate Development of Wind Energy Hugo Chandler and Samantha Olz, Senior Renewables Experts, International Energy Agency
11.15 – 11.30	Current situation, potential and outlook for wind energy in Russia. Legal regulation issues. P.A. Ponkratev, JSC RusHydro
11.30-11.40	Discussion
11.40-12.00	Coffee break
12.00 – 12.10	Situation, Needed Changes and Amendments to Current Regulations to Stimulate the Development of Wind Energy in Russia A.Kopylov, AF-MERCADOS, expert
12.10 – 12.25	Approaches to developing the General Scheme for locating wind energy plants in Russia V. Nikolaev, General Director, NTC “Atmograph”

12.35 – 12.40	Domestic Machine (Equipment) Building Potential and Expediency of Technology Transfer in the Field of Wind Energy V. I. Nirkovsky, Head Developer KB “Raduga”
12.40 – 13.00	Harnessing Variable Renewables: Grid Integration Hugo Chandler, Senior Renewables Expert, International Energy Agency
13.00 – 13.10	Perspectives and Specifics in the Development of the Grid with Wind Generation in pricing and regulated zones in Russian electricity markets Dr. G.B. Ermolenko, General Director, OOO “Wind-Energy Systems – South”
13.10 – 13.25	Experience in the Development of Wind Energy in Germany Dr. Joachim Kutscher, Vice Chair IEA Wind Agreement, Research Center Juelich, Germany
13.25 – 13.40	Questions and Answers: Discussion
13.40 – 14.30	Lunch
	Session 2: World Experience in Development of Solar Energy: Achievements and Outlook; Challenges and Outlook for Development of Solar Energy in Russia.
	<ul style="list-style-type: none"> - <i>Current level of development of solar technology and photovoltaics, economic characteristics of modern and future solar energy stations; structure of investment and operating costs;</i> - <i>Comparison of technical and economic characteristics of PV of different types (on the basis of mono and poly- crystals, thin films, heterostructures, organic materials and others); outlook for improvements and uptake;</i> - <i>The use of photoelectric systems in the distributed electricity systems (“intelligent houses”); experience in establishing low-voltage electricity systems for supplying communities (residential sector) with electricity; synchronizing electricity generation regimes and demand; experience in incorporating PV in buildings</i> - <i>Current situation and outlook for the world markets in raw materials for photovoltaic cells manufacturing and the outlook for development of solar energy worldwide.</i>
14.30 – 15.00	Overview of the situation and outlook for development of solar energy worldwide: Situation and outlook for global markets of raw materials for PV production Paolo Frankl, Director, Renewable Energy Department, IEA
15.00 – 15.20	Resource potential of effective use of solar energy in Russia Dr. O. Popel, Joint Institute of High Temperatures, Russian Academy of Sciences
15.20 – 15.35	RusNano’s projects in the field of photoelectric energy D. M. Gordienko, RusNano
15.35 – 15.45	Experience in organizing production of photoelectric converters in Russia and the needed amendments to Russia’s legislation O. I. Shutkin, Head of division, HEVEL
15.45 – 15.55	Experience producing, practical use and exports of photoelectric power from monocrystal silicon M. B. Zaks and G. Untila Solar Wind Ltd
15.55 – 16.05	Experience establishing first grid photoelectric energy installations in Russia P. M. Michalev, VIEKO
16.05 – 16.30	General Discussion on challenges to the use of solar energy in Russia and the World
16.30 – 16.45	Conclusions