

# Science Day

## Programme

### Austrian-Russian Science Day: Alternative and Renewable Energy Sources

15 October 2007  
Russian Culture Center  
Brahmsplatz 8  
1040 Vienna, Austria

**08:30**      **Registration and welcome coffee**

**09:00**      **Welcome and opening statements**

Stanislaw W. OSSADTSCHIJ

*Ambassador of Russia in Austria*

Kurt GARTLEHNER

*Member of Austrian Parliament, Spokesperson on Matters of Technological Affairs*

**09:15**      **Presentations**

- Renewables energy sources utilization in Russia – opportunities for scientific and technical collaboration  
*Mikhail Puchkov; deputy chief of Department of the Federal Agency on Science and Innovation*
- Renewable energy strategy in Austria  
*Arnold Kopeczek, Federal Ministry for Transport, Innovation and Technology*
- Hydrogen technologies for renewable energy systems  
*Vladimir Fateev, director, "Kurchatov Institute", Hydrogen Energy and Plasma Technology Institute*
- Activities and perspectives at Hydrogen Center Austria  
*Manfred Klell, HyCentA Research GmbH*
- Development of new technologies of the biomass fuel usage  
*Viktor Zaichenko, Institute for High Temperatures of RAS*
- Towards robust and geographically explicit renewable energy systems' planning  
*Michael Obersteiner, International Institute for Applied Systems Analysis (IIASA)*

**10:45**      **Coffee break**

**11:15**      **Presentations**

- Russian geothermal technologies and equipment  
*Georgiy Tomarov, chief executive officer, Joint-stock company "Geothermal Engineering Company" JSC "GEPENCOM"*
- Electricity generation from geothermal heat and other sustainable energy technologies  
*Martin Wendland, BOKU, Institute for Chemical and Energy Engineering*
- Heat pump systems in Russia – application experience and perspectives of development  
*Viktor Gornov, Joint-Stock Company "INSOLAR- INVEST"*
- R&D – the pathway to technological leadership in the heat pump market  
*Gerald Lutz, OCHSNER the heat pump company*

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- 12:15**      **Energy funding opportunities for RTD cooperation within the 7th EU framework programme (FP7)**  
*Siegfried Loicht, FP7 NCP for Energy - Austrian Research Promotion Agency*
- 12:30**      **Lunch break**
- 14:00**      **Presentations**
- Joint institute for High Temperatures – experience in effective technologies of RES utilization development and implementation  
*Oleg Popel, Laboratory of Renewable Energy Sources and Energy Conservation Joint Institute for High Temperatures, RAS*
  - From centralized hydro-thermal to decentralized regenerative energy supply – the Austrian challenge  
*Günther Brauner, Vienna University of Technology, Institute for Power Systems and Energy Economics*
  - Hydroelectric microplants  
*Anatoliy Astafiev, INSET Co., St. Petersburg*
  - The Lock Turbine at the hydro power station Freudenu – a successful development and demonstration project  
*Georg Beckmann, on behalf of the VERBUND – Austrian Hydro Power AG*
  - Wasteless plasma melt conversion of domestic wastes to syngas  
*Sergey Korobtsev, deputy director, RSC “Kurchatov Institute”*
  - Biogas as a renewable source within sustainable biorefinery concepts  
*Thomas Amon, BOKU, Division of Agricultural Engineering*
- 15:30**      **Coffee break**
- 16:00**      **Presentations**
- Research in renewable energy at "arsenal research"  
*Hubert Fechner, arsenal research*
  - Solar cells as high-performance converters of monochromatic electromagnetic radiation to electric power  
*Andrey Smakhtin, Moscow Aviation Institute*
  - Multicrystalline solar silicon production as based for development of photovoltaic industry  
*Aleksander Nepomnyaschikh, deputy director, Institute of Geochemistry, Siberian Branch, Russian Academy of Science*
  - 1.000 roof#store-project – power supply network with innovative energy storage systems (incl. PV and wind)  
*Christian Bairhuber, Austrian Battery Research Laboratory*
- 17:00**      **Closing discussion**
- 17:30**      **End of science day** – informal "get together cocktail" at the Russian Culture Center

## **Tuesday evening:**

**Invitation to a typical Viennese Wine Tavern by Federal Minister for Transport, Innovation and Technology Mr. Werner Faymann and State Secretary Ms. Christa Kranzl**