

## Second International Energy Efficiency Forum

Dushanbe, Tajikistan

12 – 14 September 2011

The Ismaili Centre Dushanbe

DAY 1 – 12 SEPTEMBER 2011

SOCIAL HALL

Time	Agenda Item
08:30 – 09:00	Registration of participants
<b>Forum Opening</b>	
09:00 – 09:30	<p>Welcoming Address:</p> <p>Mr. Pulod Mukhiddinov, First Deputy Minister, Ministry of Energy and Industry, Tajikistan</p> <p>Mr. Scott Foster, Director, Sustainable Energy Division, UNECE</p> <p>Mr. Hongpeng Liu, Chief, Energy Security and Water Resources Section, Environment and Development Division, ESCAP</p> <p>Mr. Alexander Zuev, UN Resident Coordinator and UNDP Resident Representative in Tajikistan</p>
<b>Plenary Session 1: Promoting Energy Efficiency and Renewable Energy: Global and Regional Aspects</b>	
09:30-11:00	<p><i>Facilitator: Mr. Scott Foster, UNECE</i></p> <p>Ms. Mavjuda Keldiyorova, Chief, State Department of Power System Control, Tajikistan: <b>Specific Features of Energy Saving in Tajikistan</b></p> <p>Mr. Viktor Badaker, Project Manager, Global Energy Efficiency 21 (GEE21) Project, UNECE: <b>Global Strategy for Energy Efficiency Market Formation and Relevant Strategic Documents at the Regional Level</b></p> <p>Mr. Atabek Umirbekov, Regional Environment Centre for Central Asia (CAREC): <b>Energy Efficiency Policy Gap Analysis in Central Asia</b></p> <p>Mr. Zafar Samadov, Senior Expert, Energy Charter Secretariat: <b>Need for Global Actions to Promote Energy Efficiency</b></p> <p>Ms. Slavica Robić, International Consultant for Integrated Rural Development, UNDP Tajikistan: <b>Energy for Development and Poverty Reduction - UNDP Tajikistan Case Study</b></p>

## *Questions & Answers*

*11:00 – 11:30 Coffee-break and informal discussions*

### **Plenary Session 2: Investments in Energy Efficiency and Renewable Energy Technologies: International Best Practices**

**11:30 - 13:00** *Facilitator: Mr. Slav Slavov, World Energy Council*

Mr. Vladimir Moshkalo, Head of United Nations Environment Programme (UNEP) Moscow Office: **Transition to Efficient Lighting in the Context of Energy Efficiency**

Mr. Ralf Krueger, Economic Affairs Officer, United Nations Conference on Trade and Development: **Attracting Foreign Direct Investments (FDI) into Renewable Energy**

Mr. Oleg Dzioubinski, Energy Efficiency 21 (EE21) Programme Manager, UNECE: **Investments in Energy Efficiency and Renewable Energy: Making Them Business-as-usual**

Mr. Sergey Katyshev, Adviser to the President, Kazakh Energy Grid Operation Company (KEGOC), Kazakhstan: **Electricity Investment Projects**

Mr. Rashid Gulov, Deputy Chief Engineer, Tajik Power Company "Barki Tochik": **Strengthening Institutional Capacity in Support of Energy Efficiency in Tajikistan**

Ms. Irina Goryunova, Programme Analyst/ Portfolio Manager, UNDP Kazakhstan: **Opportunities for Transformational Changes in Energy Efficiency and Renewable Energy Sources**

## *Questions & Answers*

*13:00 – 14:00 Lunch*

### **Plenary Session 3: Energy Economics and Financing Mechanisms: Approaches to Energy Efficiency and Renewable Energy**

**14:00 - 15:30** *Facilitator: Ms. Tatyana Kirillova, Energy Efficiency Expert, Tajikistan*

Mr. Hongpeng Liu, Chief, Energy Security and Water Recourses Section, Environment and Development Division, ESCAP: **Energy Economic Policies as an Effective Approach towards Green Growth and Low-carbon Development**

Dr. Hu Tao, Senior Environmental Economist, Policy Research Center for Environment and Economy, Ministry of Environmental Protection, China: **Improving Energy Efficiency through Pricing Policy**

Mr. Nikolay Sviridov, Ministry of Energy, Russian Federation: **Legal and Financial Incentives to Promote Energy Efficiency and Renewable Energy**

Ms. Ming Zhao, ESCO Committee of China Energy Conservation Association, China: **Energy Efficiency Financing: Policies and Strategies**

Mr. Janybek Omorov, Ministry of Energy, Kyrgyzstan: **Barriers to Energy Efficiency and Renewables**

## *Questions & Answers*

15:30 – 16:00

*Coffee-break and informal discussions*

**Plenary Session 4: Energy Economics and Financing mechanisms: approaches to Energy Efficiency and renewable Energy (continued)**

**16:00 – 17:30**

*Facilitator: Mr. Hongpeng Liu, ESCAP*

Mr. Tulegen Sarsembekov, Eurasian Development Bank (EADB): **Energy Efficiency as Priority Area in Activities of EADB**

Mrs. Amraporn Achavangkool, Senior Scientist, Energy Regulation and Conservation Bureau, Thailand: **Energy Pricing Policy in Thailand. Energy Conservation Fund**

Mr. Mohd Hafdzuan Adzmi, Assistant Secretary, Sustainable Energy Division, Energy Sector, Ministry of Energy, Green Technology and Water, Malaysia: **Energy pricing policy in Malaysia. Green Technology Fund**

Ms. Elinor Bajraktari, UNDP Belarus: **Removing Barriers to Energy Efficiency Improvements in the State Sector of Belarus - UNDP Experience and Lessons Learned**

Mr. Yi Qian, Dean of School of Environment and Safety Engineering Qingdao University of Science and Technology, China: **Co-benefit Approach to Improve Energy Efficiency for Sustainable Development**

*Questions & Answers*

**17:30 – 18:00**

**Panel discussion with facilitators and key-note speakers and wrap-up of Day 1**

DAY 2 – 13 SEPTEMBER 2011: PARALLEL WORKSHOPS

	(A) Workshop on Energy Efficiency Policy Frameworks and Investments in Energy Efficiency and Renewable Energy Projects Multipurpose Room 1	(B) Workshop on Foreign Direct Investments (FDI) in Advanced Fossil Fuel Technologies Multipurpose Room 2
Time	Agenda Item	Agenda Item
Session 1:	<b>Policy Frameworks to Promote Energy Efficiency and Renewable Energy Investments</b>	<b>Opportunities and Challenges for Clean Coal Technologies</b>
09:00 – 10:30	<p><i>Moderator: Mr. Oleg Dzioubinski, UNECE</i></p> <ul style="list-style-type: none"> <li>➤ Introduction to the Workshop by ESCAP/UNECE</li> <li>➤ Introduction to the Policy Frameworks to Promote Investments in EE and RE</li> <li>➤ Presentations on Policy Frameworks and Investments: <ul style="list-style-type: none"> <li>Mr. Andrei Malochka, State Enterprise BELTEI, Ministry of Energy, Belarus: <b>State Policy for Energy Efficiency Increase and Use of Renewables in the Republic of Belarus</b></li> <li>Mr. German Trofimov, Power Engineering Union of Kazakhstan: <b>Market Mechanisms for Increasing Energy Efficiency in Kazakhstan</b></li> <li>Mr. Denis Vasiliev, Department for Gas and Energy Efficiency, Ministry of Economy, Republic of Moldova: <b>Policy Reforms for Promoting Energy Efficiency and Renewable Energy Investments in the Republic of Moldova</b></li> </ul> </li> </ul>	<p><i>Moderator: Mr. Slav Slavov, World Energy Council</i></p> <ul style="list-style-type: none"> <li>➤ Mr. Zarobiddin Faizulloev, Deputy Minister of Energy and Industry, Tajikistan: <b>Government policies, incentives and objectives related to promotion of advanced coal technologies</b></li> <li>➤ Mr. Scott Foster, Director, UNECE/Sustainable Energy Division: <b>Clean Fossil Fuels Technologies and Sustainable Energy Development</b></li> <li>➤ Mr. Bakhytzhon Jaxaliev, Deputy Minister of Industry and New Technologies, Kazakhstan: <b>Innovation Projects in Kazakhstan, Role of Private Investors in Development of New Generating Capacities</b></li> <li>➤ Mr. Bahriddin Abdurakhimov, Ministry of Energy and Industry, Tajikistan: <b>Tajikistan Coal Power Projects</b></li> </ul> <p><i>Questions &amp; Answers</i></p>

Ms. Lyudmila Kozhanova, International Sustainable Energy Development Center (ISED), Russian Federation: **Implementation of the State Programme "Energy conservation and energy efficiency until 2020" in 2011 in the Russian Federation**

Mr. Heorhiy Veremiychyk, Institute for Environment and Energy Conservation, Ukraine: **Policy Reforms of Energy Efficiency and Renewable Energy in Ukraine**

*Questions & Answers*

10:30 – 11:00

*COFFEE – BREAK*

Session 2:

**Policy Frameworks to Promote Energy Efficiency and Renewable Energy Investments (continued)**

**Investment climate in power and coal sector**

11:00 – 13:00

*Moderator: Ms. Nadejda Khamrakulova, UNECE*

- Presentations on Policy Frameworks and Investments:

Mr. Enea Sherifi, National Agency of Natural Resources, Albania: **Albanian Energy Situation**

Mr. Marko Karan, Energy Institute "Hrvoje Pozar", Croatia: **Financing RES and EE projects in Croatia – Progress made and prevailing barriers**

Ms. Sanja Kapetina, Ministry of Foreign Trade and Economic Relations, Bosnia and Herzegovina: **Energy Efficiency and Renewable Energy in Bosnia and Herzegovina**

Mr. Dimitar Dukov, Bulgaria Energy Efficiency Fund, Bulgaria: **National Supporting Schemes for Energy Efficiency and Renewable Energy**

*Moderator: Mr. Scott Foster, UNECE*

- Mr. Slav Slavov, World Energy Council: **WEC's Role in Promotion of Energy Projects Investment**
- Mr. Branko Milicevic, UNECE: **Overview of the Electricity Sector in the Countries of the UNECE Project "Mitigating Climate Change through Attracting FDI in Advanced Fossil Fuel Technologies"**
- Mr. Ralf Krueger, UNCTAD: **Foreign Direct Investments (FDI) - Trends and Determinants**
- Mr. Tulegen Sarsembekov, Alexander Mironenkov, EADB: **Investment Opportunities in the Central Asia Region's Energy Sector with a Focus on the Deployment of Advanced Clean Fossil Fuels Technologies**

### Projects

Mr. Miroslav Spasojevic, Ministry for Infrastructure and Energy, Serbia: **Possibilities for Developing Serbian National Appropriate Mitigation Actions – NAMAs Related to Energy Efficiency**

Mr. Lazar Gechevski, Energy Agency of the Republic of Macedonia: **Policy Reforms to Promote Energy Efficiency and Renewable Energy Investments**

### Questions & Answers

- Dr. Hu Tao, Senior Environmental Economist, Policy Research Center for Environment and Economy, Ministry of Environmental Protection, China
- Mr. Thiraya Purevbayar, Mongolia

### Questions & Answers

13:00 – 14:00

LUNCH

### Session 3:

#### Policy and Legislation Online Database to Promote Energy Efficiency and Clean Energy Technologies

#### Investment climate in power and coal sector (continued)

14:00 – 15:30

*Moderator: Ms. Maria Korznikova, Ministry of Energy, Russian Federation*

- Mr. Sergey Tulinov, ESCAP: **Presentation of the Internet Database on Energy Efficiency Policies and Legislation in Central Asia**

Presentations from national experts. **National Legal Frameworks to Promote Energy Efficiency and Clean Energy Technologies. Overview of Existing Gaps, Barriers and Opportunities.**

- Ms. Tatyana Kirillova (Tajikistan)
- Mr. Alexey Tulikov (Russian Federation)
- Ms. Valentina Kasymova (Kyrgyzstan)
- Mr. Nurmammed Mamedov (Azerbaijan)
- Mr. Atabek Umirbekov (Kazakhstan)

*Moderator: Mr. Viktor Badaker, UNECE*

- Mr. Thomas Gochenour, Expert, United States: **Investment Climate in Central Asia: View from the Outside**
- Mr. Sergey Katyshev, KEGOC: **Investment Climate: Ownership Types, Project Approval Requirements, Contract Enforcement in Kazakhstan**
- Mr. Tulegen Sadabaev, Ministry of Energy, Kyrgyzstan: **Concept of Development of Energy Sector of Kyrgyz Republic**
- Ms. Elvira Bikeyeva, Institute of Macroeconomic Analysis, Uzbekistan: **Investment Climate in Uzbekistan and Advanced Fossil Fuel Technologies**

- Mr. Roman Zakidov (Uzbekistan)

*Questions & Answers*

- Mr. Haidar Kholov, Ministry of Energy and Industry, Tajikistan: **Investment Climate for Fossil Fuel Technologies in Tajikistan**

*Questions & Answers*

15:30 – 15:45

*COFFEE - BREAK*

Session 4:

**Policy and Legislation Online Database to Promote Energy Efficiency and Clean Energy Technologies (continued)**

**Technology transfer and energy market**

15:45 – 17:15

**Moderator: Mr. Sergey Tulinov, ESCAP**

- Discussion: continued from Session 3: Way forward with the Policy and Legislation Online Database
  - Policy and legal gaps identified through the Database
  - Further development and sustainability of the Database
  - Increase of public awareness through online information resources

**Moderator: Mr. Branko Milicevic, UNECE**

- Ms. Ermina Sokou, ESCAP: **Opportunities for Cooperation in the Coal Industry in North-East Asia: Activities of the Working Group on Coal**
- Mr. Christian Rausch, Germany, Maschinenfabrik HESE GmbH: **Advanced Technologies for Coal Preparation and Transport**
- Mr. Yuriy Seniuk, Ukraine: **Public-private Roles for Innovation and Technology Transfer**
- Mr. B.K. Sharma, Central Institute of Mining and Fuel Research, India: **High Ash Coal Utilization via Coal Gasification**

*Questions & Answers*

17:15 – 18:00

**Joint panel discussion for participants of two Workshops with moderators. Preliminary conclusions of the Forum**

18:30 – 20:30

**Reception for the participants of the Second International Energy Efficiency Forum**

**DAY 3 – 14 SEPTEMBER 2011**

**MULTIPURPOSE ROOM**

**Roundtable Discussion on the Market Opportunities for Promotion of Energy Efficiency and Renewable Energy Projects in Central Asia**

**09:00 – 11:30** *Moderator: Mr. Evgeniy Nadezhdin, Russian Energy Agency*

Mr. Hongpeng Liu, ESCAP Environment and Development Division: **Introduction to the Roundtable Discussion**

Mr. German Trofimov, Power Engineering Union of Kazakhstan: **Electricity Market in Kazakhstan**

Mr. Evgeniy Nadezhdin, Russian Energy Agency: **Development of Regional Cooperation to Increase Energy Efficiency in Central Asia in the Framework of the Global Energy Efficiency 21 (GEE21) Project**

Mr. Viktor Badaker, UNECE Sustainable Energy Division: **GEE21 Project and Implementation of its Goals in Central Asia**

Mr. Furkat Kadyrov, Small Hydropower Development Centre: **Small Hydropower Development – Focus on Tajikistan**

Mr. Manuchehr Gadoev, INOGATE ESIB, Coordinator for Tajikistan: **Energy Saving Initiative in the Building Sector in Eastern Europe and Central Asia (ESIB)**

Ms. Gulzhamal Issayeva, CAREC: **Energy Efficiency in the Residential Buildings in Dushanbe**

➤ Discussion:

- Market opportunities for promotion of energy efficiency and renewable energy projects in Central Asia
- Existing and potential opportunities and barriers for the development of a GEE21 Asia-Pacific (Central Asia)
- Analysis of market potential for energy efficiency and renewable energy technologies in Central Asia

**12:00 – 18:00**

**Field visit to the Nurek Hydropower Plant organized by the Ministry of Energy and Industry of Tajikistan**