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Resilient nations.

Fourth International Forum: Energy for Sustainable Development

Place and date: Sheraton Hotel Conference Hall, Tbilisi, Georgia, 17-19 September 2013

Co-organizers:

Government of Georgia, United Nations Economic Commission for Europe (UNECE), United Nations Economic Commission for Asia and Pacific (ESCAP), and United Nations Development Programme (UNDP)

Meeting languages: English, Georgian and Russian with simultaneous interpretation

AGENDA

| 17 September 2013 | |
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| Plenary sessions | |
| 09:30 – 10:00 | Registration of participants |
| 10:00 – 10:15 | <p>Opening Session: Welcoming statements and introduction to the Round Table topic</p> <ul style="list-style-type: none"> • Mr. Kakhaber Kaladze, Minister of Energy, Vice Prime Minister, Georgia • Mr. Dimitri Kumsishvili, First Deputy Minister of Economy and Sustainable Development, Georgia • Mr. Andrey Vasilyev, Deputy Executive Secretary, UNECE • Mr. Nikolay Pomoshchnikov, Head, Subregional Office for North and Central Asia, ESCAP • Ms. Inita Paulovica, Acting Resident Representative, UNDP Georgia |
| | <p>Session 1: High-Level Round Table “Achieving sustainable energy development through policy reforms and international cooperation”</p> <p>Co-Chairs: Mr. Dimitri Kumsishvili, First Deputy Minister of Economy and Sustainable Development, Georgia Mr. Kakhaber Kaladze, Minister of Energy, Vice Prime Minister, Georgia</p> <p>Objectives:</p> <ul style="list-style-type: none"> • Discuss main challenges and emerging issues in promoting sustainable energy in Caucasus, Central Asia and neighbouring regions • Discuss the role of Governments and public sector in formulating and implementing policy reforms and promoting international cooperation for enhanced energy security and the sustainable use of energy <p>Moderator: Mr. Scott Foster, Director, Sustainable Energy Division, UNECE</p> |

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| | <p>Keynote presentations</p> <ul style="list-style-type: none"> • Ms. Ruzan Alaverdyan , Deputy Minister of Urban Development, Armenia • Mr. Siarhei Siamashka, Vice Chairman of the State Committee on Standardization, Director of the Department for Energy Efficiency, Belarus • Mr. Raimbek Mamyrov, Deputy Minister of Energy and Industry, Kyrgyzstan • Mr. Haydar Kholov, Deputy Minister of Energy and Industry, Tajikistan • Mr. Alexander Braginskiy, Adviser to the President of Kazakhstan • Mr. Andrey Vasilyev, Deputy Executive Secretary, UN Economic Commission for Europe • Mr. Hongpeng Liu, Chief, Energy Security and Water Resources Section, UN Economic and Social Commission for Asia and the Pacific <p>Discussion with participants from the floor (Q&A)</p> |
| 12:00 – 13:00 | <p>Lunch</p> |
| 13:00 – 15:00 | <p>Session 2: Energy efficiency in the housing sector</p> <p>Objectives</p> <ul style="list-style-type: none"> • To inform the participants about international programmes and frameworks for energy efficiency in the residential sector and discuss how they support governments’ efforts to promote energy efficiency • To present the UNECE – UN-Habitat – City of Vienna joint report “Good practices for energy-efficient housing in the UNECE region” <p>Chair: Mr. Mikheil Janelidze, Deputy Minister of Economy and Sustainable Development, Georgia Moderator: Ms. Gulnara Roll, Head of the Housing and Land Management Unit, UNECE</p> <p>International frameworks and programmes: how do they support governments’ efforts to promote energy efficiency in the residential sector</p> <ul style="list-style-type: none"> • Ms. Gulnara Roll, Head of the Housing and Land Management Unit, UNECE <i>“UNECE Regional Action Plan for Energy-Efficient Housing and steps towards its implementation”</i> • Ms. Khatuna Sichinava, Key Expert, Covenant of Mayors Regional Office • Mr. Grzegorz Gajda, Project Manager, International Finance Corporation <i>“Unlocking energy efficiency potential of multi-family buildings”</i> • Ms. Angelica Afanador, UNEP en.lighten initiative <p>Presentation of the UNECE – UN-Habitat – City of Vienna joint report “Good practices for energy-efficient housing in the UNECE region”</p> <ul style="list-style-type: none"> • Mr. Sergey Sivaev, Director of the Municipal Economy Department, The Institute for Urban Economics, Russian Federation <i>“Good practices for energy-efficient housing in the UNECE region: key messages”</i> |

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| | <p>Panellists:</p> <ul style="list-style-type: none"> • Ms. Marit Otsing, Chairwoman of the Board, Estonian Union of Cooperative Housing Associations, Estonia • Ms. Jaroslava Zapletalova, Chairwoman of the Housing Institute, Slovakia • Mr. Alexander Belyi, UNDP-Kazakhstan • Mr. Marc Lutz, Consultant, MLTC |
| 15:00 – 15:15 | Coffee break |
| 15:15 – 17:30 | <p>Session 3: Investments in energy efficiency and cleaner energy projects in the context of climate change mitigation and sustainable development</p> <p>Objectives: Discuss financing options for energy efficiency projects and cleaner energy technologies Discuss the role of Governments and private sector in market formation for cleaner energy development</p> <p>Moderator: Mr. Scott Foster, Director, Sustainable Energy Division, UNECE</p> <p>Keynote presentations Mr. Sergey Katyshev, Chairman of the Energy Charter Protocol on Energy Efficiency and Related Environmental Aspects (PEEREA) Group, <i>Energy Charter: Role of Governments in market formation for cleaner energy development</i> Mr. Robert Tromop, International Energy Agency (by video): <i>Energy efficiency opportunities for the UN Sustainable Energy for All Imperative</i> Mr. Mark Hopkins, UN Foundation: <i>Energy Efficiency Financing and the Electric Utility Industry</i></p> <p>Panellists:</p> <ul style="list-style-type: none"> • Mr. Jas Singh, Senior Energy Efficiency Specialist, Energy Unit, Sustainable Development Department, Europe and Central Asia Region, World Bank • Ms. Elena Shonya, Deputy Manager, Eastern Europe and Central Asia - Sustainable Energy Finance, International Finance Corporation • Ms. Aigul Absametova, Senior Specialist, Strategic Analysis and Monitoring Unit, Research and Strategy Department, Eurasian Development Bank • Mr. Sergey Tulinov, Economic Affairs Officer, Energy Security and Water Resources Section, ESCAP • Mr. Yuriy Rymashevskiy, Deputy Head of the Department of Energy, Eurasian Economic Commission • Mr. Boris Iarochevitch, Deputy Head, EU Delegation to Georgia • Ms. Angelica Afanador, UNEP en.lighten initiative • Mr. Yury Shulgin, General Director, Mezhrefionsoyuzenergo • Mr. Deltcho Vitchev, Director, Renaissance Finance International • Mr. Markus van der Burg, Managing Director, Conning Asset Management Limited <p>Panel discussion and Q&A</p> |
| 17:30 – 18:15 | <p>Wrap-up Session for Day 1</p> <ul style="list-style-type: none"> • Discuss and adopt joint statement |
| 18:30 | Reception |

18 September 2013

Thematic workshops

Workshop 1: Policies and Legislation to Promote Energy Efficiency and Clean Energy Technologies in the Caucasus region (organized by the Government of Georgia)

9:00 – 13:00

Welcome and introduction from the Government of Georgia – Mr. Ilia Eloshvili, Deputy Minister of Energy

Moderators: Ms. Margalita Arabidze and Ms. Liza Tavdumadze, Ministry of Energy, Georgia

Presentations

Ms. Maria Semenova, ESCAP: *Database of policies and regulations on sustainable use of energy and renewable energy sources in countries of North and Central Asia*

Mr. Hrachik Tsughunyan, Ministry of Energy and Natural Resources, Armenia

Mr. Asaf Rzayev, Ministry of Industry and Energy, Azerbaijan: *Development of Electric Power Industry in Azerbaijan*

Mr. Andrei Minenkov, State Department on Energy Efficiency, Belarus

Ms. Liza Tavdumadze, Ministry of Energy, Georgia: *Investment Opportunities in Energy Sector of Georgia*

Mr. Mihail Lupu, Energy Efficiency Agency, Republic of Moldova

Ms. Kateryna Stavnichuk, State Agency for Energy Efficiency and Energy Savings, Ukraine: *Policy and Legislation to Promote Energy Efficiency and Cleaner Energy Technologies in Ukraine*

Workshop 2: A Road Map to Energy Efficient Residential Sector (organized by UNECE Housing and Land Management Unit)

The workshop is aimed to discuss challenges, experiences and good practices of governments in countries in the UNECE region in promoting energy efficiency housing

Moderator: Mr. Michael Milligan, Economic Affairs Officer, Housing and Land Management Unit, UNECE

Rapporteur: Mr. Sergey Sivaev, Member of Executive Board, Director of the Municipal Economy Department, The Institute for Urban Economics, Russia

9:00 – 9:30 Introduction

Welcome and introduction from the Government of Georgia: Mr. Mikheil Janelidze, Deputy Minister of Economy and Sustainable Development, Georgia

Objectives and expected outcomes of the workshop: Ms. Doris Andoni, Senior Housing Expert, Housing and Land Management Unit, UNECE

9:30 – 11:00 Panel discussion 1: Legislative and regulatory framework for energy efficient housing

Mr. Borko Raicevic, Energy Efficiency and Renewables Expert, Energy Community Secretariat, Austria: *Legal reform for energy efficiency*

Workshop 3: Case Studies on Policy Reforms to Promote Financing Energy Efficiency Investments and Advanced Energy Efficiency Technologies (organized by UNECE/SED and ESCAP)

Keynote presentation: Mr. Yury Shulgin, General Director, Mezhtregionsoyuzenergo: *Analysis of energy efficiency policies in the countries of Eastern Europe, Caucasus and Central Asia and potential for international cooperation*

Questions for discussion:

- Main players in EE policy field: Who are they? What do they do? Do their activities promote EE?
- Does your country still need new legislation and policies or the main issue is enforcement?
- International donor aid vs. national policy reforms: their respective roles.
- What are the main changes since last year? Your proposals for next steps?

9:00 – 11:00

Panel Discussion 1: Case studies on energy efficiency financing (countries of South-Eastern Europe)

Moderator: Mr. Oleg Dzioubinski, UNECE Sustainable Energy Division

Presentations of national case studies:

- Ms. Lucija Rakocevic, Montenegro: *“Analysis of the Policy Reform Impact on energy*

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| <p>Mr. Roman Podolets, Institute of Economics and Forecasts, Ukraine</p> <p>Q&A</p> | <p>Ms. Elena Rodina, UNDP Kyrgyzstan: <i>The results of and obstacles in promoting energy efficiency of buildings in Kyrgyzstan</i></p> <p>Mr. Davit Gigineishvili, Head of Spatial Planning and Construction Policy Department, Ministry of Economy and Sustainable Development, Georgia</p> <p>Mr. Gheorghe Croitoru, Head of Technical Economic Regulations department, Ministry of Regional Development and Construction, Republic of Moldova: <i>The elaboration of the Law on the energy efficiency of buildings in Moldova</i></p> <p>Q&A</p> <p>11:00 – 13:00 Panel discussion 2: Financing for energy efficient housing</p> <p>Moderator: Ms. Karine Melikidze, Director, Sustainable Development and Policy (SDAP) Centre</p> <p>Mr. Grzegorz Gajda, Project Manager, International Financial Corporation: <i>Requirements for successful multi-family residential energy efficiency financing</i></p> <p>Mr. Marc Lutz, Consultant, MLTC: <i>Public policies to attract investment in energy efficient housing</i></p> <p>Mr. Alexandr Belyi, UNDP Project Manager, Kazakhstan: <i>Promotion of energy efficiency in residential and public buildings</i></p> <p>Q&A</p> | <p><i>performance in buildings”</i></p> <p>- Mr. Goran Cacic, Croatia: <i>“Successes of Systematic Energy Management in Croatia”</i></p> <p><u>Panelists:</u> Mr. Artan Leskoviku, Albania Ms. Sanja Kapetina, Bosnia and Herzegovina Mr. Dimitar Dukov, Bulgaria Mr. Zeljko Juric, Croatia Mr. Igor Kovacevic, Montenegro Mr. Lazar Gechevski, The former Yugoslav Republic of Macedonia</p> <p>11:00 – 13:00 Panel Discussion 2: Case studies on energy efficiency financing (countries of Central, Northern, and South-Eastern Asia)</p> <p>Moderator: Mr. Hongpeng Liu, ESCAP</p> <p>Presentations of national case studies:</p> <p>- Mr. Athikom Bangviwat, Thailand: <i>“Promoting Energy Efficiency Investment for Sustainable Development in Thailand”</i></p> <p>- Mr. Tienan Li, China: <i>“Promoting Industrial Energy Efficiency Policies in China ”</i></p> <p>- Mr. Qosimbek Olimbekov, Tajikistan: <i>“Analysis of the Policy Reform Impact on application of energy efficient light bulbs”</i></p> <p><u>Panelists:</u> Mr. German Trofimov, Kazakhstan Mr. Shamil Dikambaev, Kyrgyzstan Ms. Tatiana Vedeneva, Kyrgyzstan Mr. Nikolay Sviridov, Russian Federation Mr. Vladimir Krasnogorskiy, Russian Federation</p> |
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| | | <p>Mr. Haydar Kholov, Tajikistan Mr. Georgiy Petrov, Tajikistan Mr. Abdurahim Ismoilov, Tajikistan Mr. Aziz Kandymov, Turkmenistan Mr. Djamshid Abdusalamov, Uzbekistan Mr. Nikolay Pomoshchnikov, ESCAP</p> |
| 13:00 – 14:00 | Lunch | |
| <p>14:00 – 17:30 Workshop 4 Sustainable Energy Challenges and Opportunities in Transition Countries (organized by UNDP)</p> <p>14:00 – 16:00 Session 1: Case Studies on UNDP Projects Related to Removing Barriers for Energy-Efficiency</p> <p>Moderator: Mr. John O’Brien, Regional Technical Advisor, UNDP Bratislava Regional Centre</p> <p>Rapporteur: Mr. Goran Cacic, UNDP Croatia</p> <ul style="list-style-type: none"> ▪ Mr. John O’Brien, Regional Technical Advisor: <i>Overview of UNDP support for EE projects in the Region</i> ▪ Mr. Sergii Varga: <i>Removing Barriers to promote EE Lighting in Ukraine</i> ▪ Mr. Gennady Smaga: <i>EE Standards & Labels in Russia</i> ▪ Mr. Sergey Zenyutich: <i>Energy-Efficient Lighting in the Russian Federation</i> ▪ Mr. Leonid Danilevsky: <i>Promoting EE in Residential Buildings in Belarus</i> | <p>14:00 – 16:00 Panel discussion 3: Housing Management to Promote Energy Efficient Housing</p> <p>Moderator: Ms. Doris Andoni, UNECE, Senior Housing Expert</p> <p>Rapporteur: Mr. Borko Raicevic, Energy Efficiency and Renewables Expert, Energy Community Secretariat</p> <p>Ms. Marit Otsing , Chairwoman of the Board, Housing Cooperative Association, Estonia: <i>Housing management systems for energy efficient housing</i></p> <p>Ms. Jaroslava Zapletalova, Chairwoman, Housing Institute, Slovakia: <i>Energy Efficiency Housing Project in Slovakia</i></p> <p>Mr. Samvel Srapyan, Head of Housing Stock Management and Municipal Infrastructures Division, Ministry of Urban Development, Armenia</p> <p>16:00 – 16:30 Coffee Break</p> <p>16:30 – 17:30 Panel discussion 4: Technical and awareness raising measures</p> <p>Moderator : Ms. Marit Otsing, Chairwoman of the Board, Housing Cooperative Association, Estonia</p> | <p>14:00 – 16:00 Panel Discussion 3: Case studies on energy efficiency financing (countries of Caucasus and Eastern Europe)</p> <p>Moderator: Mr. Viktor Badaker, UNECE Sustainable Energy Division</p> <p>Presentations of national case studies:</p> <ul style="list-style-type: none"> - Ms. Diana Harutyunyan, Climate Change Program Coordinator, UNDP Armenia: <i>“Co-generation Based District Heating Restoration Project in Avan District of Yerevan City”</i> - Mr. George Abulashvili, Ms. Liana Garibashvili, Georgia: <i>“Municipal Energy Efficiency Policy Reforms in Georgia”</i> - Mr. Andrei Malochka, Belarus: <i>“Removing Barriers to Energy Efficiency Improvements in the State Sector in Belarus”</i> <p><u>Panelists:</u> Mr. Tigran Melkonyan, Armenia Mr. Farhad Aliyev, Azerbaijan Ms. Tatsiana Maliyeuskaya, Belarus Ms. Inna Gritsenko, Belarus Ms. Liza Tavdumadze, Georgia Mr. Giorgi Bezhuashvili, Georgia Mr. Iurie Raileanu, Republic of Moldova Mr. Evgeniy Nadezhdin, Russian Federation</p> |

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| <ul style="list-style-type: none"> ▪ Mr. Andrei Karpus: <i>Energy Efficiency in Buildings in North West Russia</i> ▪ Mr. Goran Cacic: <i>Energy Management Information Systems in Croatia</i> ▪ Ms. Diana Harutunyan: <i>Energy Efficiency in Buildings in Armenia</i> ▪ Mr. Kakhramon Usmanov: <i>Promoting Energy Efficiency in Public Buildings in Uzbekistan</i> ▪ Ms. Irina Atamuradova: <i>Energy Efficiency in Residential Buildings in Turkmenistan</i> ▪ Mr. Sergey Tambiev: <i>Greening the Sochi Olympic Games in Russia</i> <p>Question & Answer Session</p> <p>16:00 – 16:30 Coffee Break</p> <p>16:30 – 17:30</p> <p>Session 2: UNDP and Sustainable Energy 4 All and Recent UNDP Publications</p> <p>Moderator: Mr. Martin Krause, Practice Leader, Energy & Environment Practice, UNDP Bratislava Regional Centre</p> <p>Rapporteur: Mr. Sergii Varga, UNDP Ukraine</p> <ul style="list-style-type: none"> ▪ Mr. Martin Krause: <i>UNDP and Sustainable Energy 4 All</i> ▪ Mr. Martin Krause: <i>IEA/UNDP Publication ‘Modernising Building Codes to Secure our Global Energy Future’</i> ▪ Mr. John O’Brien: <i>UNDP Publication ‘De-risking Renewable Energy Investment’</i> <p>Question & Answer Session</p> | <p>Rapporteur: Ms. Elena Rodina, UNDP Kyrgyzstan</p> <p>Mr. George Abulashvili, EEC Georgia <i>“Technical assistance to Georgian Municipalities under EU INOGATE project ‘Energy Savings Initiative in Building Sector in Easter European and Central Asian Countries -ESIB’”</i></p> <p>Ms. Karine Melikidze, Director, Sustainable Development and Policy (SDAP) Centre: <i>EE Approach for Buildings in Georgia: Energy Passport Software Program and Certification of Buildings</i></p> <p>Mr. Igor Kovacevic, Head of Department for Energy Efficiency and Renewable Energy Sources, Sector of Energy, Ministry of Energy, Montenegro</p> <p>Mr. Papuna Sakhanberidze, Architect, Georgia</p> <p>Mr. Alexey Kalashnikov, Head of Representative Office of TA Hydronics in Kazakhstan</p> <p style="text-align: center;">Q&A</p> <p>17:30 – 18:00 Summary, conclusions and next steps</p> | <p>Mr. Oleksandr Diachuk, Ukraine Ms. Kateryna Stavnichuk, Ukraine</p> <p>16:00 – 16:30 Coffee Break</p> <p>16:30 – 18:00 Panel Discussion 4: Advanced energy efficiency and renewable energy (EE&RE) technologies</p> <p>Moderator: Mr. Evgeniy Nadezhdin, Russian Energy Agency</p> <p>Presentations</p> <p>Mr. Shamil Dikambaev, Kyrgyzstan Mr. Vladimir Kouzmich, Belarus Mr. Sergey Katyshev, Kazakhstan</p> <p>Round-table discussion with participation of national experts and companies involved in advanced EE&RE technologies</p> <p>Panelists:</p> <p>Mr. German Trofimov, Kazakhstan Mr. Djamshid Abdusalamov, Uzbekistan Mr. Qosimbek Olimbekov, Tajikistan Ms. Anelya Segizbayeva, Zero Carbon Technology and Consultancy</p> |
| <p>18:00 – 18:30</p> | <p>Wrap-up Session for Day 2</p> | |

Day 3 – 19 September 2013

Field visit: Wood Service Ltd (innovative and energy efficient technologies in the construction sector)