



United Nations
Economic Commission for Europe

UNECE activities in Energy Efficiency and Renewable Energy - Energy Efficiency 21 (EE21) Programme

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Working Party on Gas
22nd Session

Geneva, 24-25 January 2012





Committee on Sustainable Energy



- Energy Security Dialogue
- Working Party on Gas
- Gas Centre
- **Energy Efficiency 21 Programme**
 - Group of Experts on Energy Efficiency Investments for Climate Change Mitigation
 - Group of Experts on Global Energy Efficiency 21 (GEE21)
 - Group of Experts on Cleaner Electricity Production
 - Group of Experts on Coal Mine Methane (CMM)
 - Expert Group on Resource Classification



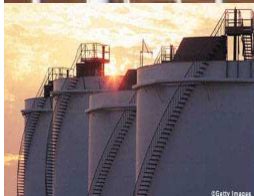
Energy Efficiency 21 (EE21) Programme



- Launched in 1991
- Seventh 3-year phase of the Programme (2009-2012)
- General Objective: To enhance regional cooperation on energy efficiency market formation and investment project development to reduce greenhouse gas emissions in economies in transition
- Ten regional, sub-regional, country-oriented and interregional projects



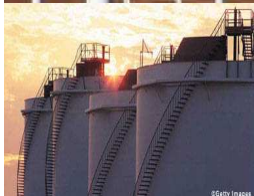
Sub-regional Projects of EE21 Programme (2009-2012)



- **Financing Energy Efficiency and Renewable Energy Investments for Climate Change Mitigation (FEEI)**
- The Regional Network for Efficient Use of Energy and Water Resources in South-Eastern Europe (RENEUER)
- Energy efficiency market formation in South-Eastern Europe



Country-oriented, sub-regional and inter-regional Projects of EE21 Programme (2009-2012)



- Removing Barriers to Energy Efficiency Improvements in the State Sector in Belarus [Country-oriented]
- **Increasing Energy Efficiency for Secure Energy Supplies**
- Development of the Renewable Energy Sector in the Russian Federation and in CIS Countries: Prospects for Interregional Cooperation
- **Global Energy Efficiency 21 (GEE21)** [Inter-regional]



Sub-regional Projects of EE21 Programme (2009-2012)



- Buy Smart – green procurement for smart purchasing
- **Cooperative Project on Methane Capture and Use: Best Practice Guidance on Effective Methane Drainage and Use in Coal Mines**



Interdivisional Cooperation Activities of EE21 Programme (2009-2012)



- Energy Efficiency in Housing: The Action Plan for Energy Efficient Housing in the UNECE Region
- Wood Energy: Modern and sustainable heat and power from woody biomass in South-Eastern Europe



Financing Energy Efficiency Investments for Climate Change Mitigation (FEEI) Project



Long-Term Objective

Promote an investment environment for self-sustaining energy efficiency and renewable energy projects to be developed and financed to reduce greenhouse gas emissions

Activities

- Source of financing with dedicated investment funds
- Training to help establish bankable project proposals
- Institutional and policy reforms
- Establishing network of energy efficiency managers

12 participating countries

- 2 European Union countries: Bulgaria, Romania
- 5 South-Eastern European countries: Albania, Bosnia and Herzegovina, Croatia, the former Yugoslav Republic of Macedonia, Serbia
- 5 countries of Eastern Europe and Central Asia: Belarus, Republic of Moldova, Kazakhstan, Russian Federation, Ukraine

Website

<http://feeinfo.org/eng/background>



Financing Energy Efficiency Investments for Climate Change Mitigation (FEEI) Project



- **Co-funding**

- United Nations Foundation
US\$ 2 million
- Fonds Français pour l'Environnement Mondial
US\$ 2.5 million
- UNEP/Global Environment Facility
US\$ 3 million
- European Business Congress e.V.
US\$ 0.25 million

- **EBC-funded Activities**

- Reducing Greenhouse Gas Emissions through Inter-fuel Substitution in the Russian Federation
- Two studies (prepared by JSC Gazprom promgaz):
Strategy Study on Inter-fuel Substitution Implemented in the Kolpashevo Municipality (2009)
<http://www.unece.org/index.php?id=21793>
Potential and Best Alternatives for Investments in Implementing Inter-fuel Substitution in the Federal District of Siberia, Russian Federation (2010)
<http://www.unece.org/index.php?id=13163>



Increasing Energy Efficiency for Secure Energy Supplies



- **Funding**

Government of the Russian Federation

US\$ 0.15 million

- **Objective**

To promote the development of energy efficiency investments projects designed to reduce the domestic consumption of hydrocarbons in the Russian Federation, Kazakhstan and other Central Asia energy exporters

- **Analytical Study** (prepared by ISEDC)

Increasing Energy Efficiency to Secure Energy Supplies in the CIS Region



Second International Energy Efficiency Forum 12-14 September 2011, Dushanbe



Co-organizers: UNECE, ESCAP, Government of Tajikistan

Over 120 participants from 25 countries of the UNECE and ESCAP regions

EE21 Projects: FEEI, GEE21, FDI in Advanced Fossil Fuel Technologies

Plenary Sessions:

- **Promoting Energy Efficiency and Renewable Energy: Global and Regional Aspects**
- **Investments in Energy Efficiency and Renewable Energy Technologies: International Best Practices**
- **Energy Economics and Financing Mechanisms: Approaches to Energy Efficiency and Renewable Energy**

Website of the Forum:

<http://www.unece.org/index.php?id=25461>

http://www.unece.org/energyefficiency/_welcome.html



Economic and
Social Commission for
Asia and the Pacific



Government
of Tajikistan



United Nations
Economic Commission
for Europe

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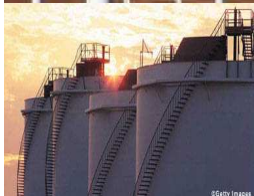
- Promoting Energy Efficiency and Renewable Energy: Global and Regional Aspects
- Investments in Energy Efficiency and Renewable Energy Technologies: International Best Practices
- Energy Economics and Financing Mechanisms: Approaches to Energy Efficiency and Renewable Energy

Workshops:

- Workshop on Energy Efficiency Policy Frameworks and Investments in Energy Efficiency and Renewable Energy Projects
- Workshop on Foreign Direct Investments (FDI) in Advanced Fossil Fuel Technologies



Second International Energy Efficiency Forum 12-14 September 2011, Dushanbe



**Workshop on Development of Energy Efficiency Policy
Frameworks and Investments in Energy Efficiency
and Renewable Energy Projects**

**Workshop on Attracting Foreign Direct Investments
(FDI) in Advanced Fossil Fuel Technologies**

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

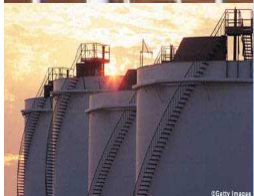
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Thank you for your attention!



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<http://www.unece.org/energy/se/eneffic.html>

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