



United Nations  
Economic Commission for Europe



# Energy Efficiency 21 Programme: Recent Developments



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Committee on Sustainable Energy  
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# 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
- Group of Experts on Cleaner Electricity Production
- Group of Experts on Coal Mine Methane (CMM)
- Group of Experts on Harmonization of Fossil Energy and Mineral Resources Terminology

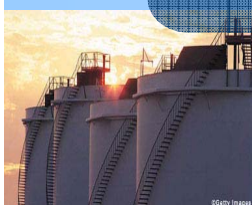


# Energy Efficiency 21 Programme

- Launched in 1991 – 6 three-year phases until 2009
- Enhance East-West Trade and Cooperation
- Environment – UNECE Conventions
- UNFCCC Kyoto Protocol
- Improve Capacities and Networking
- Energy Efficiency Policy Reforms
- Financing Energy Efficiency Investments



# EE21 Project Plan 2009-2012



## Seventh 3-year phase of the Project

Approved by the 20th Session of the Steering Committee in June 2009

Endorsed by the Committee on Sustainable Energy in November 2009

Renamed: Energy Efficiency (EE21) Programme

## General Objective

To enhance regional cooperation on energy efficiency market formation and investment project development to reduce greenhouse gas emissions in economies in transition



# Immediate Objectives



- **Objective 1: Accelerate regional networking** between national participating institutions and international partners by enhanced Internet communications.
- **Objective 2: Promote municipal level projects** to enable local and concrete Energy Efficiency development.
- **Objective 3: Develop and harmonize regional policies** and standards to introduce the economic, institutional and regulatory reforms needed.



# Work Methods, Participation and Procedures



- EE21 Programme implemented within the UNECE
- Committee on Sustainable Energy
- Steering Committee Members appointed by Governments - Guidance on Programme Execution
- Programme Management by UNECE Secretariat
- Meetings of Steering Committee and Groups of Experts
- Conferences, seminars, workshops, publications
- National Participating Institutions
- National Experts, Contractors, Consultants
- International Organizations, NGOs



# Budget and Trust Fund



- Funding for EE21 Programme:
  - by a UN trust fund
  - by support to its projects
- UNECE Governments, international organizations and private companies can support EE21 Programme by:
  - in-kind contributions (support activities of NPIs; provide experts; organize and host meetings; prepare reports, data and other information)
  - providing experts to the Programme secretariat in Geneva
  - co-financing the Programme and its projects by contributions to the trust funds
- Projects have their own budgets, cost plans and funding



## 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 [New Project]



# 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



## EE21 meetings in 2010



- Twenty-first session of the Steering Committee of the EE21 Programme, 11 June
- Fifteenth and sixteenth sessions of the Group of Experts on Energy Efficiency Investments for Climate Change Mitigation, 9 June and 20-22 October
- First session of the Group of Experts on GEE21, 10 June
- Meeting of the Extended Bureau of the Group of Experts on GEE21, 18-19 October



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



## ● Co-funding

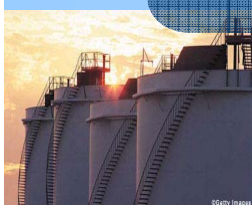
- United Nations Foundation  
US\$ 2 million
- Fonds Français pour l'Environnement Mondial  
US\$ 2.5 million
- UNEP/Global Environment Facility  
US\$ 3 million

## ● 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



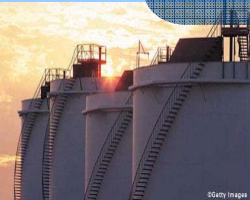
## Regional Analysis of Policy Reforms to Promote Energy Efficiency and Renewable Energy Investments



- Full electronic version (in English) is available at UNECE and FEEI project websites:  
[http://unece.org/energy/se/pdfs/eneff/eneff\\_pub/EE21\\_FEEI\\_RegAnl\\_Final\\_Report.pdf](http://unece.org/energy/se/pdfs/eneff/eneff_pub/EE21_FEEI_RegAnl_Final_Report.pdf)  
  
[http://fееi.info/assets/cms/File/Regional%20Analysis\\_Final%20Report.pdf](http://fееi.info/assets/cms/File/Regional%20Analysis_Final%20Report.pdf)
- Executive Summary published in English and Russian
- Second Seminar on Policy Reforms, Geneva, 20-22 October 2010



# Recent developments in the Investment Fund Design



## Conning Asset Management Limited

- Draft Financing Coordination Agreement prepared
- Lead Investor and Investment Fund Manager identified
- Missions to countries conducted (Project Developers, Banks, Government Officials, Local Experts)



# **International Energy Efficiency Forum 28-30 September 2010, Astana**

**Parallel event to the Ministerial Conference  
on Environment and Development  
(MCED-6), organized by ESCAP**

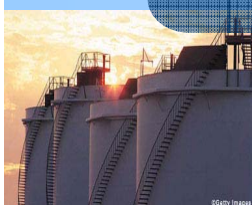
**Co-organizers: UNECE, ESCAP, UNDP,  
UNEP, Government of Kazakhstan**

**EE21 Projects: FEEI, GEE21, Renewable  
energy in CIS, EE in Housing Action Plan,  
Wood Energy**

**Website of the Forum:**

**[http://www.unece.org/energy/se/docs/eneff\\_AstanaEEForum\\_Sept10.html](http://www.unece.org/energy/se/docs/eneff_AstanaEEForum_Sept10.html)**





Government of Kazakhstan



United Nations Economic Commission for Europe



United Nations Economic and Social Commission for Asia and the Pacific



United Nations Development Programme



United Nations Environment Programme



6<sup>th</sup> Ministerial Conference on Environment and Development

# International Energy Efficiency Forum

28-30 September 2010  
Astana, Kazakhstan

- Assessment of energy efficiency (EE) and renewable energy (RE) policy and legislative frameworks
- Analysis of international best practices in EE and RE
- Status and potential of EE and RE in various economic sectors
- Energy efficiency in the residential and municipal sector
- Ways and means of financing EE and RE investments





# International Energy Efficiency Forum Objectives



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- Energy efficiency in the residential and municipal sector
- Ways and means of financing EE and RE investments



**Thank you for your attention !**



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